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Part I, List of Patentees

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Woroch, Eugene L., and Smart. 3,348,999.
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Abbott, Samuel L. 3,319,900.
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Abbott, Paul D. Tractor hitch selectively adjustable stabilizer. 3,310,123, 3–21–67, Cl. 172—450.
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Lamburn, Alan S., Abbott, and Hillman. 3,334,530.
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Abbott, Samuel L., to Abbott Machine Co., Inc. Stopping winding of yarn having enlargements. 3,304,016, 2–14–67, Cl. 242—36.
Abbott, Samuel L., to Abbott Machine Co., Inc. Yarn traversing roll for winding machines. 3,319,900, 5–16–67, Cl. 242—43.2.
Abbott, Samuel L., to Abbott Machine Co., Inc. Textile drafting apparatus. 3,323,180, 6–6–67, Cl. 19—288.
Abbott, Thomas I., to Eastman Kodak Co. Photographic spirit duplicating process. 3,295,969, 1–3–67, Cl. 96—28.
Abbott, Thomas I., and E. C. Yackel, to Eastman Kodak Co. Lithographic process using a stop bath. 3,326,685, 6–20–67, Cl. 96—62.
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Shields, Sebough S. 3,352,763.
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Abe, Akira, Y. Kumegawa, and M. Kiyota. Vending machine control system. 3,323,626, 6–6–67, Cl. 194—10.
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Abel, Konrad, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Low noise level short wave amplification employing a reactance modulator. 3,353,031, 11–14–67, Cl. 307—88.3.
Abel, Martin L., to The Permawick Co. Package of oil-impregnated fibers. 3,306,438, 2–28–67. Cl. 206—56.
Abel, Martin L., to The Permawick Co. Extrusion apparatus and method. 3,329,179, 7–4–67, Cl. 141—284.
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Abel, Ursula E. Toe cover. 3,334,356, 8–8–67, Cl. 2—239.
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Abel, Vernon T., and T. C. Thomas, to C. R. Daniels, Inc. Folding seat construction. 3,316,013, 4–25–67, Cl. 297—16.
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Abell, Jared, to Chevron Research Co. Process for manufacture of thiophenol from alkali metal cyclohexane sulfonates. 3,340,307, 9–5–67, Cl. 260—609.
Abell, Jerrold J., and R. C. Berry, to Rogers Corp. Method of making a waterproof gas-permeable plastic sheet. 3,348,-991, 10–24–67, Cl. 156—300.
Abell, Jerrold J., and K. J. Virkus, to Rogers Corp. Microporous plastic sheet material and method of making the same. 3,349,046, 10–24–67, Cl. 260—2.5.
Abell, Joseph B., Jr., L. W. Fannin, and J. F. Roth, to Monsanto Co. Dehydrogenation of saturated hydrocarbons over noble-metal catalyst. 3,315,007, 4–18–67, Cl. 260—683.3.
Abell, Joseph B., Jr., L. W. Fannin, and J. F. Roth, to Monsanto Co. Dehydrogenation of saturated hydrocarbons over noble-metal catalyst. 3,315,008, 4–18–67, Cl. 260—683.3.
Abell, Roy F., Jr., to Eaton Yale & Towne Inc. Tappet. 3,322,-104, 5–30–67, Cl. 123—90.
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Abelson, Louis. Mechanical jaw spreader. 3,352,301, 11–14–67, Cl. 128—12.
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Abere, Joseph F., to Minnesota Mining and Mfg. Co. Latices of carboxyl-containing polymers of conjugated dienes cross-linked with polyalkylenimines. 3,316,202, 4–25–67, Cl. 260—29.7.
Aberizk, Philip G., to Sylvania Electric Products Inc. Core portions having fused bond joint outside of embrace of coils thereon. 3,344,383, 9–26–67, Cl. 336—160.
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Abermeth, Hubert, and P. Combuchen, to Klockner-Humboldt-Deutz Aktiengesellschaft. Rotary piston machine, particularly rotary piston internal combustion engine. 3,295,754, 1–3–67, Cl. 230—145.
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Abernethy, Robert B., to United Aircraft Corp. Recover bleed air turbojet. 3,344,606, 10–3–67, Cl. 60—241.
Abernethy, Robert R. Combination pen and pencil holder. 3,304,916. 2–21–67, Cl. 120—3.
Abernethy, Robert R. Multi-plane drill jig vise. 3,313,188, 4–11–67, Cl. 77—62.
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Stokes, Joseph L., and Attle. 3,322,096.
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Abolins, Visvaldis, and R. M. Lukes, to General Electric Co. Inorganic molding compositions of the asbestos-orthophosphoric acid-type and products produced therefrom. 3,322,-549, 5–30–67, Cl. 106—38.3.
Abos, Ralph L. Brine metering float valve. 3,326,377, 6–20–67, Cl. 210—126.
Aboulafia, Joseph, to Ethylene-Plastique. Process for improving the dye affinity of polyolefins. 3,332,906, 7–25–67, Cl. 260—41.
Aboytes, Peter, and J. Iannicelli, to J. M. Huber Corp. Antioxidant carbon black. 3,323,932, 6–6–67, Cl. 106—307.
Aboytes, Peter, and J. Iannicelli, to J. M. Huber Corp. Modified carbon blacks. 3,335,020, 8–8–67, Cl. 106—307.
Abplanalp, Robert H. Aerosol dispenser. 3,319,669, 5–16–67, Cl. 141—20.
Abplanalp, Robert H. Ejector dispenser and fitment for puncture of hermetically sealed product container. 3,356,262, 12–5–67, Cl. 222—82.
Abplanalp, Robert H., and J. R. Focht, to Precision Valve Corp. Spraying dispenser with separate holders for material and carrier fluid. 3,326,469, 6–20–67, Cl. 239—308.
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Abraham, George. Variable gain tunneling. 3,327,136, 6–20–67 Cl. 307—88.5.

Abraham, George. Multiple avalanche device. 3,328,605, 6–27–67, Cl. 307—88.5.
Abraham, George. Electrical switching means. 3,333,196, 7–25–67, Cl. 325—22.
Abraham, George. Single negative resistance tristable operation. 3,355,597, 11–28–67, Cl. 307—88.5.
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Abrahamson, Wayne E., to Phillips Petroleum Co. Turn around for catalyst reactor. 3,299,165, 1–17–67, Cl. 260—683.68.
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Abramo, John G., to E. I. du Pont de Nemours and Co. Blends of the polypyromellitamide of bis(4-aminophenyl)ether and polypyromellitamide-acid of an aromatic diamine. 3,342,897, 9–19–67, Cl. 260—857.
Abramoff, Jacques. Paper dispenser. 3,347,480, 10–17–67, Cl. 242—55.2.
Abrams, Ellis R. Awnings and canopies. 3,334,434, 8–8–67, Cl. 52—11.
Abrams, Gilbert L., to Guild Molders, Inc. Combined closure and sealing member. 3,295,711, 1–3–67, Cl. 220—24.5.
Abrams, Irving, to Premier Microwave Corp. Hybrid junction for waveguide and co-axial cable. 3,311,851, 3–28–67, Cl. 333—11.
Abrams, John R., L. G. Blomquist, and J. Fine, to Interchemical Corp. Linting test. 3,354,712, 11–28–67, Cl. 73—150.
Abrams, Louis V., and R. M. Trent, to The Pangborn Corp. Metal cleaning. 3,320,701, 5–23–67, Cl. 51—5.
Abrams, Louis V., and R. W. Moore, to The Pangborn Corp. Throwing wheel vane and method of manufacture thereof. 3,333,365, 8–1–67. Cl. 51—9.
Abrams, Solomon. Electric soldering gun having adjustable electrodes. 3,337,713, 8–22–67, Cl. 219—234.
Abrams, William L. Decorative panel. 3,308,875, 2–14–67, Cl. 160—369.
Abramson, Andrew E., and A. F. Kitchar, to Research Instruments & Controls, Inc. Apparatus for strip trimming preparatory to lap joinder. 3,354,769, 11–28–67, Cl. 83—455.
Abramson, Bernard, and M. S. Herstein, to Revlon, Inc. Liquid aerosol propellant solutions of fatty acid salts of physiologically active amines. 3,304,230, 2–14–67, Cl. 167—82.
Abramson, Franz W., to Lockheed Aircraft Corp. Hydroski vehicle. 3,308,780, 3–14–67, Cl. 114—66.5.
Abramson, Hugo, to Forsvarets Fabrikavark. Projectile with a rearwardly directed steering tube. 3,347,492, 10–17–67, Cl. 244—328.
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Abramson, Paul, and P. H. Chin, to International Business Machines Corp. Electronic ring circuit comprising plurality of first and second switching means driven by overlapping A.C. waveforms. 3,329,831, 7–4–67, Cl. 307—88.5.
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Acciarri, Jerry A., and E. P. Kennedy, to Continental Oil Co. Separation of alkanols from hydrocarbons using benzyl alcohol, dimethylformamide, furfuryl alcohol, furfural and mixtures thereof. 3,305,592, 2–21–67, Cl. 260—643.
Acciarri, Jerry A., and W. B. Carter, to Continental Oil Co. Production of alpha-olefins. 3,358,050, 12–12–67, Cl. 260—683.15.
Accorsi, Frank J., to North American Aviation, Inc. Aircraft propulsion system. 3,356,152, 12–5–67, Cl. 170—135.74.
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Acheson, Donald T., to United States of America, Army. Tie down clamp. 3,337,175, 8–22–67, Cl. 248—361.
Achkio, Anthony A., to Pittsburgh Plate Glass Co. Preliminary pressing of bent glass laminated assemblies. 3,351,001, 11–7–67, Cl. 100—176.
Achler, Howard S., and H. Kaufmann, to Kaufmann Tool and Engineering Corp. Machine for rolling arcuate sheet metal shapes. 3,304,757, 2–21–67, Cl. 72—166.
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Achterberg, Arno, H. Gormar, and K.-H. Kleefisch, to Dynamit Nobel Aktiengesellschaft. Sheet extrusion dies for the extrusion of thermoplastics. 3,344,473, 10–3–67, Cl. 18—12.
Achucarro, Jose L. Freeze-drying apparatus and method. 3,308,551, 3–14–67, Cl. 34—5.
Achucarro, Jose L. Freeze-drying apparatus. 3,323,225, 6–6–67, Cl. 34—92.
Acker, Andre, and J. Taillardat, to Esso Research and Engineering Co. Process for obtaining mineral oils with improved resistance to oxidation. 3,318,799, 5–9–67, Cl. 208—14.
Acker, Clarence R., to McGraw-Edison Co. Combined street light and residential power construction. 3,341,718, 9–12–67, Cl. 307—157.
Acker, Donald S., to E. I. du Pont de Nemours and Co. Process and composition for curing selected thiocarboxylic acid fluoride polymers and the cured polymers. 3,297,790, 1–10–67, Cl. 260—874.
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Acker, Eric O., E. O. Acker, Jr., and Kimball. 3,295,345.
Acker, George H., to Eaton Mfg. Co. Inlet side pressure storage and stall breakaway mechanism for single line progressive feeder manifold. 3,337,003, 8–22–67, Cl. 184—7.
Acker, Richard C., and E. Bahniuk, to The Weatherhead Co. Piston diaphragm pump. 3,354,831, 11–28–67, Cl. 103—44.
Ackerman, Charles B., and D. J. Sullivan, to Motorola, Inc. Alloy-diffused method for producing semiconductor devices. 3.309.244, 3–14–67, Cl. 148—178.
Ackerman. David S.: *See*—
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Ackerman, Joseph I., Jr., to United Merchants and Manufacturers, Inc. Process for tonal coloring of fabrics. 3,304,195. 2–14–67, Cl. 117—37.
Ackerman, Nathan. Power feed with liquid check. 3,313,-214, 4–11–67, Cl. 92—8.
Ackerman, Nathan. Fluid flow control device and mechanisms embodying the same. 3,348,576, 10–24–67, Cl. 137—625.43.
Ackerman, Stanley C., to General Electric Co. Incandescent lamp with a tungsten filament with tantalum imbedded in the surface to act as a gettering agent. 3,346,761, 10–10–67, Cl. 313—180.
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Ackermann, Karl: *See*—
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Ackermann, Karl, to Societe Des Accumulateurs Fixes et de Traction. Production of electrodes for alkaline storage batteries wherein active material is at least partially formed from the metals in said grid. 3,356,534, 12–5–67, Cl. 136—6.
Ackermann, Karl, deceased, by K. Siebert, representative, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of negative electrodes for fuel cells. 3,360,402, 12–26–67, Cl. 136—120.
Ackermann, Karl, and R. Socha, to Robert Bosch Elektronik G.m.b.H. Lighting device. 3,299,788, 1–24–67, Cl. 95—11.
Ackermann, Karl, S. Schone, and W. Nimz, to Robert Bosch Elektronik G.m.b.H. Projector. 3,330,059, 7–11–67, Cl. 40—79.
Ackermann, Karl, K. Bartos, and S. Schone, to Robert Bosch Elektronik G.m.b.H. Pointer for a slide projector. 3,343,452, 9–26–67, Cl. 88—24.
Ackermann, Walter T., and C. W. Lindsley, to Radio Corp. of America. Method of manufacture of electron discharge tube grid electrodes. 3,303,859, 2–14–67, Cl. 140—71.5.
Ackley, Clifford L.: *See*—
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Ackley, Edward L., ½ to C. L. Ackley. Valve hydraulic fluid conduit assembly. 3,330,302, 7–11–67, Cl. 137—625.29.
Ackley, Edward L. High speed rotary hydraulic motor. 3,350,985, 11–7–67, Cl. 91—87.
Ackroyd, Muriel D., to Eastman Kodak Co. Photographic objective of the Cooke triplet type. 3,359,057, 12–19–67, Cl. 350—206.
Ackroyd, Ronald T.: *See*—
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Ackroyd, Ronald T., R. M. Lord, and J. E. Mann, to United Kingdom Atomic Energy Authority. Fast nuclear reactor. 3,338,790, 8–29–67, Cl. 176—18.
Acloque, Paul H., to Compagnie de Saint-Gobain. Apparatus for measuring phase differences in polarized light. 3,345,-905, 10–10–67, Cl. 88—14.
Acloque, Paul H., to Compagnie de Saint-Gobain. Projection of negatives as positives by employing a phototropic screen and an auxiliary visible light source. 3,355,588, 11–28–67, Cl. 250—71.
Acme Abrasive Co.: *See*—
Zawodni, James T., and Markotan. 3,315,418.
Acme Backing Corp.: *See*—
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Acme Bulletin & Directory Board Corp.: *See*—
Timlin, George A. 3,345,766.
Acme Chain Corp.: *See*—
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Acme Cloth Reel Co.: *See*—
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Bohanon, Hoy R. 3,318,224.
Acme Fishing Tool Co.: *See*—
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Acme Highway Products Corp.: *See*—
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Acme-Lite Mfg. Co.: *See*—
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Acme Metal Slide, Inc.: *See*—
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Acme Plate & Mat Co.: *See*—
Betner, Thomas E. 3,317,068.
Acme Process Equipment Co.: *See*—
Epstein, Joshua. 3,307,573.
Acme Spring Co.: *See*—
Swatt, Leonard W. 3,337,882.
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Fleischhauer, Eugene T. 3,352,740.
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Acton, Hugh C. Wall wardrobe. 3,300,263, 1–24–67, Cl. 312—245.
Acton, Hugh C., to Brunswick Corp. Wall wardrobe. 3,346,-314, 10–10–67, Cl. 312—245.
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Kano, Hideo, Adachi, Kido, and Hirose. 3,321,475.
Adachi, Kazuo, M. Hoshikawa, and K. Ohira, to Tekkosha Co., Ltd. Process for producing gamma phase linear quinacridone. 3,352,867, 11–14–67, Cl. 260—279.
Adachi, Takeshi, to Tokyo Shibaura Electric Co., Ltd. Neutron generator shielding arrangement. 3,345,515, 10–3–67, Cl. 250—84.5.
Adachi, Takeshi, and H. Kamogawa, to Tokyo Shibaura Electric Co., Ltd. Particle accelerating tubes. 3,329,848, 7–4–67, Cl. 313—63.
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Adam, Gunter: *See*—
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Adam, Hans, and F. Schneider, to G. M. Pfaff AG. Stencil-controlled automatic sewing apparatus. 3,332,378, 7–25–67, Cl. 112—2.
Adam, James W., B. Goobich, and T. M. Trainer, to The Battelle Development Corp. Coupling with a deformable seal. 3,307,861, 3–7–67, Cl. 285—334.2.
Adam, Richard L., and T. C. Winn. Drapery traversing apparatus. 3,312,273, 4–4–67, Cl. 160—345.
Adam, Stephen F., to Hewlett-Packard Co. Variable attenuator employing internal switching 3,319,194, 5–9–67, Cl. 333—81.
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Adamczyk, Jan, to Firth Cleveland Ltd. Step climbing wheel carriage. 3,34,270, 10–10–67, Cl. 280—5.28.
Adamek, Stephen, and B. B. J. Wood, to Dunlop Rubber Co. Ltd. Process for the preparation of polymers. 3,325,456, 6–13–67, Cl. 260—79.7.
Adamek, Stephen, and B. B. J. Wood, to Dunlop Rubber Co. Ltd. Polyurethanes. 3,359,244, 12–19–67, Cl. 260—77.5.
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Adams, Arthur A. Selectable pitch rafter cutting guide. 3,304,614, 2–21–67, Cl. 33—75.
Adams, Arthur A. Cutting gage and guide. 3,349,496, 10–31–67, Cl. 33—143.
Adams, Bobby F., and J. H. Wotiz, to Diamond Alkali Co. Cyclic acetylenic hydrocarbon preparation. 3,296,321, 1–3–67, Cl. 260—666.
Adams, Bobby F., and J. H. Wotiz, to Diamond Alkali Co. Unsaturated acids derived from polyacetylenic compounds. 3,299,111, 1–17–67, Cl. 260—413.
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Adams, Campbell V.: *See*—
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Adams, Campbell V., and H. G. Warrington, to Vulcan Iron Works, Inc. Power hammer. 3,357,315, 12–12–67, Cl. 91—277.
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Adams, Cecil E., G. E. De Villers, and G. M. Hipple, to Abex Corp. Control for variable displacement pump or motor. 3,302,585, 2–7–67, Cl. 103—162.
Adams, Cecil E., and R. E. Griffith, to American Brake Shoe Co. Method and apparatus for improving efficiency of vane pumps. 3,359,914, 12–26–67, Cl. 103—136.
Adams, Cecil E., and G. E. De Villers, to Abex Corp. Retarder systems. 3,360,304, 12–26–67, Cl. 303—18.
Adams, Cecil S. and J. B., F. B. Bailey, and E. F. Walker. Switch control apparatus with improved brush contact means. 3,319,017, 5–9–67, Cl. 200—18.
Adams, Charles H.: *See*—
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Adams, Charles R., to Shell Oil Co. Oxidative dehydrogenation of alkyl benzenes with $CaNiPO_4$ and SO_2. 3,299,155, 1–17–67, Cl. 260—669.
Adams, Charles R., to Shell Oil Co. Vinyl thiophene production. 3,309,381, 3–14–67, Cl. 260—329.
Adams, Charles T., S. G. Brandenberger, and M. Nager, to Shell Oil Co. Preparation of fluorided tungsten-nickel hydrocracking catalysts. 3,301,793, 1–31–67, Cl. 252—441.
Adams, Chauncey, Jr. Constant heat control system. 3,355,-104, 11–28–67, Cl. 236—77.
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Adams, Clyde M., Jr., to American Machine & Foundry Co. Method and apparatus for welding of rails. 3,308,266, 3–7–67, Cl. 219—137.
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Adams, Donald R. Manicure implement. 3,298,381, 1–17–67, Cl. 132—76.4.
Adams, Douglas P., to United States of America, Air Force. Nomographic computer scanning means. 3,350,156, 10–31–67, Cl. 350—202.
Adams, Dustin S., to E. I. du Pont de Nemours and Co. Process for preparing molded, three dimension textile articles. 3,331,906, 7–18–67, Cl. 264—292.
Adams, Edmond, and H. H. Helms, Jr., to United States of America, Navy. Method of making a magnetic sheet. 3,306,742, 2–28–67, Cl. 75—211.
Adams, Edward J.: *See*—
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Adams, Edward W. Vehicle cupola structure. 3,324,610, 6–13–67, Cl. 52—72.
Adams, Edwin C., L. Michnik, and R. D. Witulski, to Sierra Research Corp. Doppler target simulator. 3,329,953, 7–4–67, Cl. 343—17.7.
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Adams, Stanley A. 3,355,688.
Adams, Elmer L., deceased, (by W. J. Adams, executrix), to Owens-Illinois, Inc. Elastic melt extruder for extruding thermoplastics. 3,343,212, 9–26–67, Cl. 18—12.
Adams, Erby E. Concealed collar and tie tack. 3,319,304, 5–16–67, Cl. 24—49.
Adams, Floyd L. Traffic directing marker. 3,334,554, 8–8–67, Cl. 94—1.5.
Adams, Floyd S., to Smada Corp. Method and apparatus for preparing brushes for trimming. 3,295,893, 1–3–67, Cl. 300—21.
Adams, Frank H. Universal joint. 3,359,757, 12–26–67, Cl. 64—8.
Adams, Frank R. Magnetic actuator device with coupled rotors. 3,299,381, 1–17–67, Cl. 335—232.
Adams, Frank R. Proportional magnetic actuator device. 3,304,526, 2–14–67, Cl. 335—230.
Adams, Frank S., Jr., to The Procter & Gamble Co. Process for making a resinous dentifrice cleaning agent. 3,357,951, 12–12–67, Cl. 260—59.
Adams, Fred, to General Motors Corp. Brake mechanism. 3,295,636, 1–3–67, Cl. 188—18.
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Adams, Frederick J., to Hydrosteer Ltd. Power operated steering gear. 3,312,148, 4–4–67, Cl. 91—462.
Adams, Frederick J., to Hydrosteer Ltd. Power assisted steering or like control gear. 3,352,170, 11–14–67, Cl. 74—388.
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Adams, Frederick L., to Dresser Industries, Inc. Tubing centralizer attachment for well spider. 3,353,235, 11–21–67, Cl. 24—263.
Adams, George C., to Rollform, Inc. Expansion connection for fire rated ceiling grid system. 3,350,125, 10–31–67, Cl. 287—189.36.
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Adams, George F. Apparatus for contacting fluidizable solids with gasiform fluids. 3,309,784, 3–21–67, Cl. 34—57.
Adams, George F., to UOP Process Division (a division of Universal Oil Products Co.). Ethylene production and recovery thereof. 3,360,587, 12–26–67, Cl. 260—683.
Adams, George M., to Union Carbide Corp. Printing ink comprising polyol, polyisocyanate and polymeric resin hardener. 3,316,189, 4–25–67, Cl. 260—13.
Adams, George R., and R. M. Mihalek, to Sperry Rand Corp. High speed web or paper feeder. 3,315,860, 4–25–67, Cl. 226—47.
Adams, Harold E., to The Nash Engineering Co. System for handling fluids in both liquid and gaseous phases. 3,304,006, 2–14–67, Cl. 237—67.
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Adams, Henry H., Jr., and P. D. Fisher, to Atlantic Research Corp. Rocket nozzle. 3,341,129, 9–12–67, Cl. 239—265.11.
Adams, Herbert D.: *See*—
Silvia, Denis A., Adams, and Abernathy. 3,326,125.
Adams, Hugh D. Bird releaser for bird dog training device. 3,310,032, 3–21–67, Cl. 119—15.6.
Adams, Ian L., to J. R. Siddons. Apparatus for feeding and fastening clips. 3,319,864, 5–16–67, Cl. 227—76.
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Long, Noel V., and Buckley. 3,340,537.
Adams, J. D., Co.: *See*—
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Adams, Jack D. Device for use in routing hinge seats. 3,320,-983, 5–23–67, Cl. 144—27.
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Adams, Joe T., and H. F. Lykins, to Union Carbide Corp. Acid-base catalyzed modification of cellulose with hydroxyalkyl and alkoxyalkyl, epoxyalkyl sulfones. 3,312,522, 4–4–67, C. 8—120.
Adams, John, and B. W. Manley, to North American Philips Co. Inc. Light amplifier employing an electron multiplying electrode which supports a photocathode. 3,327,151, 6–20–67, Cl. 313—95.
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Dryer, Stanley R. C., Adams, and Turnbull. 3,321,396.
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Adams, John W., and E. F. Wickens, to Ingersoll-Rand Co. Rock drill reamer. 3,297,099, 1–10–67, Cl. 175—96.
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Adams, Kenneth D., to The Singer Co. Air operated needle positioners. 3,320,914, 5–23–67, Cl. 112—219.
Adams, Kenneth D., and E. H. Kay, to The Singer Co. Automatic apparatus for sewing machines and the like. 3,352,-263, 11–14–67, Cl. 112—2.
Adams, Kenneth W., to United States of America, Navy. High pressure nose for a body in flight. 3,298,312, 1–17–67, Cl. 102—92.5.
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Herrick, Ivan, Adams, and Huffaker. 3,350,259.
Adams, Mark F., to Northwest Magnesite Co. Method of preparing magnesia. 3,320,029, 5–16–67, Cl. 23—201.
Adams, Mark F., to St. Regis Paper Co. Process for preparing arabinogalactan. 3,337,526, 8–22–67, Cl. 260—209.
Adams, Michael C., to Versi-Tex Plastics, Inc. Method and apparatus for waterproofing basements. 3,332,185, 7–25–67, Cl. 52—287.
Adams, Norbert, T. Mukerjee, and J. M. Smith, to General Electric Co. Semiconductor diode with integrated mounting and small area fuse impurity junction. 3,297,920, 1–10–67, Cl. 317—234.
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Adams, Paul R., C. C. Miller, Jr., and R. S. Bovitz, to International Telephone and Telegraph Corp. Gyroscope. 3,309,931, 3–21–67, Cl. 74—5.
Adams, Paul R., and J. W. Whitesel, to International Telephone and Telegraph Corp. Typewriter margin control device having means to position carriage return codes. 3,340,-986, 9–12–67, Cl. 197—20.
Adams, Philip N., to Mueller-Co. Method of making a pipe clamp device. 3,355,794, 12–5–67, Cl. 29—479.
Adams, Phylander S. Automatic safety relief and back pressure valve. 3,348,615, 10–24–67, Cl. 166—97.
Adams, Ralph M.: *See*—
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Adams, Renard P. Backwash means for an open ended multiple tube filter assembly. 3,318,452. 5–9–67, Cl. 210—333.
Adams, Richard A., to Dunlop Rubber Co., Ltd. Spot type disc brakes. 3,318,420, 5–9–67, Cl. 188—73.
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Adams, Robert B., to Moore Products Co. Fluid control apparatus. 3,357,441, 12–12–67, Cl. 137—81.5.
Adams, Robert E., to Gifford-Wood, Inc. Continuous flow counter-current liquid and solids contact apparatus. 3,297,-043, 1–10–67, Cl. 134—60.
Adams, Robert E., to Gifford-Wood, Inc. Mixing apparatus. 3,297,309, 1–10–67, Cl. 259—115.
Adams, Robert H., to Johns-Manville Corp. Method for steam curing of articles comprising fiber, hydraulic cement, and silica. 3,327,032, 6–20–67, Cl. 264—82.
Adams, Robert K. Long-span prestressed beam structure. 3,323,263, 6–6–67, Cl. 52—223.
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Adams, Robert T., to Chevron Research Co. Inhibition of corrosion during catalytic reactions. 3,347,947, 10–17–67, Cl. 260—671.
Adams, Robert T., E. E. Johnson, and J. M. Salmela, to Chevron Research Co. Production of alkali metal alkyl sulfonates. 3,306,931, 2–28–67, Cl. 260—513.
Adams, Robert T., and H. J. Aroyan, to Chevron Research Co. Process for preparing biodegradable detergent alkylate. 3,333,014, 7–25–67, Cl. 260—671.
Adams, Robert T., and M. F. Hughes, to Chevron Research Co. Preparation of alkylaromatic hydrocarbons suitable as detergent alkylate. 3,351,672, 11–7–67, Cl. 260—671.
Adams, Robert V., to The Bunker-Ramo Corp. Continuous casting system. 3,358,743, 12–19–67, Cl. 164—154.
Adams, Roger L. to United States of America, Interior. Process for conveying mineral solids through conduits. 3,341,256, 9–12–67, Cl. 302—66.
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Adams, Ronald L., P. C. Clark, E. A. Hawkins, and J. L. Montgomery, to The Mead Corp. Process of coating paper with attapulgite clay. 3,320,691, 7–11–67, Cl. 117—155.
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Adams, Vilma A. Handbag construction. 3,335,775, 8–15–67, Cl. 150—30.
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Adams, William M., and J. L. Fueslein, to International Harvester Co. Retractable tail light for tilt body vehicle. 3,331,957, 7–18–67, Cl. 240—8.3.
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Adamski, Joseph, to Dura Corp. Convertible top. 3,328,072, 6–27–67, Cl. 296—116.
Adamski, Joseph, to Dura Corp. Convertible top mechanism. 3,342,524, 9–19–67, Cl. 296—117.
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Adamson, Kenneth W. Apparatus for etching metal. 3,348,-557, 10–24–67, Cl. 134—113.
Adamson, Leslie H., to Hughes Aircraft Co. Memory protection system. 3,321,747, 5–23–67, Cl. 340—172.5.
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Addison, George T., W. Askew, and H. J. Fruin, to British Jeffrey-Diamond Ltd. Cutting apparatus having speed and load controlled hydraulic drive. 3,323,839, 6–6–67, Cl. 299—1.
Addison, Harry W., Jr. Stair traversing wheel chair mechanism. 3,295,858, 1–3–67, Cl. 280—5.3.
Addison, Harry W., Jr. Pilot operated metering device. 3,315,694, 4–25–67, Cl. 137—110.
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Addor, Roger W., to American Cyanamid Co. 2-iminothiolanes and related compounds. 3,318,910, 5–9–67, Cl. 260—327.
Addor, Roger W., to American Cyanamid Co. Insecticidal compositions containing carbamates of 5- and 6-membered hetero-sulfur compounds and method of controlling insects with same. 3,338,782, 8–29–67, Cl. 167—33.

Addor, Roger W., to American Cyanamid Co. Herbicidal and insecticidal composition. 3,348,940, 10–24–67, Cl. 71—90.

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Whaley, Howard A., and Patterson. 3,321,368.
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Addy, Leslie E., to British Hydrocarbon Chemicals Ltd. Process for the production of olefines by the dehydrochlorination of alkyl chlorides. 3,325,554, 6–13–67, Cl. 260—677.

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Adelman, Milton, and R. Leibowitz, to United States of America, Navy. Method and apparatus for testing photomultipliers employing a color temperature corrected light source. 3,333,184, 7–25–67, Cl. 324—20.

Adelman, Philip. Inclined planter and retaining wall construction. 3,343,301, 9–26–67, Cl. 47—33.

Adelt, Joseph W., to Echlin Mfg. Co. Hydraulic actuator. 3,336,842, 8–22–67, Cl. 92—75.

Adema, Eduard H., J. B. M. Laauwen, and J. C. Soeterbroek, to Stamicarbon N.V. Process for the preparation of polypropylene. 3,318,859, 5–9–67, Cl. 260—93.7.

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Adler, Alan J. Portable fluorescent lamp. 3,331,958, 7–18–67, Cl. 240—10.6.

Adler, Benjamin H. Suspensory system for objects. 3,330,518, 7–11–67, Cl. 248—223.

Adler, Clarence E., to Toledo Scale Corp. Ticket printing and issuing machine. 3,334,583, 8–8–67, Cl. 101—66.

Adler, Everett J., and H. J. Greenberg, to Engelhard Industries, Inc. Thermocouple with platinum group metal inner sheath. 3,329,534, 7–4–67, Cl. 136—233.

Adler, Irwin L., and A. Apostolina, to General Foods Corp. Process for preparing puffed potato product. 3,338,724, 8–29–67, Cl. 99—207.

Adler, Karl, and G. Ducommun, to Biviator S.A. Automatic diaphragm-setting device. 3,340,785, 9–12–67, Cl. 95—10.

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Adler, Majory L., and W. J. Kenney; said Kenney assor. to Adler. Electrically heated mixing spatula. 3,325,627, 6–13–67, Cl. 219—227.

Adler, Meryle D. W., and R. A. Simon, to Corning Glass Works. Drawing sheet glass. 3,322,523, 5–30–67, Cl. 65—101.

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Adler, Orville E., to National-Standard Co. Aluminum clad electric conductor wire. 3,306,716, 2–28–67, Cl. 29—196.2.

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Remy, Hermann, Berghaus, Adler, and Grunbacher. 3,321,-671.

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Adler, Robert, to Zenith Radio Cory. Cyclotron and synchronous parametric amplifiers and synchronous oscillators and isolators using bifilar helix coupler. 3,296,542, 1–3–67, Cl. 330—4.7.

Adler, Robert, to Zenith Radio Corp. Positive synchronous wave bifilar helix coupler and parametric amplifiers. 3,296,543, 1–3–67, Cl. 330—4.7.

Adler, Robert, to Zenith Radio Corp. Negative synchronous wave amplifier and oscillator. 3,296,548, 1–3–67, Cl. 330—46.

Adler, Robert, to Zenith Radio Corp. Quadrupole parametric amplifier with gradual pump transition. 3,300,728, 1–24–67, Cl. 330—4.7.

Adler, Robert, to Zenith Radio Corp. Beam refrigeration by means of large cathode magnetic fields used in resistive load and/or with low noise amplifier. 3,315,173, 4–18–67, Cl. 330—4.7.

Adler, Robert, to Zenith Radio Corp. Multiple resonant cyclotron wave coupler for nondegenerate parametric amplifier. 3,315,174, 4–18–67, Cl. 330—4.7.

Adler, Robert, to Zenith Radio Corp. Magnetic flux measuring apparatus using nuclear magnetic resonance. 3,316,-484, 4–25–67, Cl. 324—5.

Adler, Ronald E. Illuminated sketch and memo board. 3,321,-616, 5–23–67, Cl. 240—6.4.

Adler, Solomon, to Adler Process Corp. Method and apparatus for producing pile fabric. 3,309,252, 3–14–67, Cl. 156—72.

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Adolph, Horst G., J. C. Dacons, and M. J. Kamlet, to United States of America, Navy. Preparation of hydroxy nitrophenyl compounds. 3,296,315, 1–3–67, Cl. 260—620.

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Adrian, Robert G., and W. L. Lower. Tear gas gun. 3,298,125, 1–17–67, Cl. 42—1.

Adsit, Frank D. Apparatus for separating crushed battery particles. 3,300,043, 1–24–67, Cl. 209—10.

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Halmi, Gabor, and Advani. 3,297,651.

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Aebi, Claude M., and L. A. Teuscher, to International Business Machines Corp. Formation of diazo couplers in situ. 3,303,028, 2–7–67, Cl. 96—91.

Aebi, Claude M., and L. A. Teuscher, to International Business Machines Corp. Formation of diazo couplers in situ. 3,307,952, 3–7–67, Cl. 96—91.

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Aelion, Rene, J. M. Di Verdi, W. P. Moylan, and F. P. Poznick, to Foster Grant Co., Inc. Method and apparatus for processing yarn. 3,337,930, 8–29–67, Cl. 28—1.

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Aemmer, Peter, to Albiswerk Zurich A.G. Gap pattern for chopper of radiation search system. 3,307,039, 2–28–67, Cl. 250—83.3.

Aemmer, Peter, to Albiswerk Zurich A.G. Gain regulating transistor circuit for a plurality of amplifier stages. 3,319,177, 5–9–67, Cl. 330—29.

Aemmer, Peter, to Albiswerk Zurich A.G. System for noise reduction in F-M telegraph signals. 3,341,782, 9–12–67, Cl. 329—112.

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Alban, Clarence F., and C. C. Perry, to W. M. Chace Co. Element for sensing and controlling humidity and temperature changes. 3,336,119, 8–15–67, Cl. 29—195.
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Albert, Harry E., A. C. Whiton, and B. S. Garvey, Jr., to Pennsalt Chemical Corp. Process for stopping emulsion polymerizations by the addition of dithiocarbamate salts and alkyl hydroxyl amines. 3,341,487, 9–12–67, Cl. 260—29.7.
Albert, Henry J., to Engelhard Industries, Inc. Composite grid wire for electron tubes. 3,323,882, 6–6–67, Cl. 29—193.
Albert, James R., and P. W. Hawley, to Rexall Drug and Chemical Co. Process and apparatus for solids blending. 3,351,326, 11–7–67, Cl. 259—95.
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Albertson, Orris E., and W. M. H. Kilmer, to Dorr-Oliver Inc. Disposal of waste material by combustion in an inert fluidized bed. 3,319,587, 5–16–67, Cl. 110—8.
Albertson, Orris E., and W. E. Budd, to Dorr-Oliver Inc. Treatment and incineration of waste sludges. 3,351,030, 11–7–67, Cl. 110—8.
Albertson, William C., Jr., to Owens-Illinois, Inc. Gauging method and apparatus. 3,321,838, 5–30–67, Cl. 33—174.
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Albin, Jerry R., to E. I. du Pont de Nemours and Co. Thiotrithiazyl compounds as vulcanizing agents. 3,310,538, 3–21–67, Cl. 260—79.5.
Albin, Jerry R., and J. R. Wolfe Jr., to E. I. du Pont de Nemours and Co. Chemical composition and process. 3,329,650, 7–4–67, Cl. 260—41.5.
Albinak, Marvin J., and W. H. Turner, to Owens-Illinois, Inc. Method for controlling the reduction of metallic ions in glass compositions. 3,345,190, 10–3–67, Cl. 106—47.
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Albright, Franklin C., to The Bendix Corp. Castered wheel centering mechanism. 3,352,515, 11–14–67, Cl. 244—103.
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Alburger, James R. Voltage-responsive sequencing switch. 3,335,292, 8–8–67, Cl. 307—88.5.
Alburger, James R. Method of controlling the thickness of applied thin liquid films using dye tracers. 3,341,705, 9–12–67, Cl. 250—71.
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Aldenhoff, Bernard J., to Harnischfeger Corp. Three phase half wave direct current power source. 3,345,552, 10–3–67, Cl. 321—5.

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Alexander, Guy B., S. F. West, and P. C. Yates, to E. I. du Pont de Nemours and Co. Process of making metal powder compositions wherein some metal grains contain dispersed refractory metal oxide particles. 3,310,400, 3–21–67, Cl. 75—206.

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Alexander, Guy B., and G. W. Sears, Jr., to E. I. du Pont de Nemours and Co. Thorium oxide sol. 3,317,432, 5–2–67, Cl. 252—301.1.

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Alexander, Hugh C., 50% to P. J. Sutton. Toy hoop having a movable weight member. 3,332,166, 7–25–67, Cl. 46—220.

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Alexander, John M., Jr., to Pennsalt Chemicals Corp. Tablet press. 3,337,915, 8–29–67, Cl. 18—16.5.

Alexander, L. Bruce, to Automatic Machinery and Electronics, Inc. Juice extraction apparatus with pulp-peel separator. 3,351,000, 11–7–67, Cl. 100—98.
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Alexander, Richard L., and F. E. Brown, to Gulf Oil Corp. Polyethylene compositions. 3,352,819, 11–14–67, Cl. 260—45.9.
Alexander, Robert H., to Rockwell Mfg. Co. Servo operated reversing tool. 3,298,284, 1–17–67, Cl. 91—58.
Alexander, Robert H., to Rockwell Mfg. Co. Spindle lock for a power tool. 3,334,448, 8–8–67, Cl. 51—170.
Alexander, Robert H., to Rockwell Mfg. Co. Fluid operated tool. 3,336,840, 8–22–67, Cl. 91—38.
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Alexander, Roy P., and H. A. Schroeder, to Olin Mathieson Chemical Corp. Novel polymers from condensation of dimeric azidophospha (III)-carborane and diphosphine. 3,320,185, 5–15–67, Cl. 260—2.
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Alfano, William A., Jr., to Granger Associates. Steerable monopole antenna system having a plurality of reflectors, said reflectors comprising a series of tubular vacuum switches. 3,334,348, 8–1–67, Cl. 343—836.
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Alfille, Lucien, J. C. Charrault, and F. Lafontaine, to European Atomic Energy Community. Tubular fuel pencil having a thin flexible can for nuclear reactors. 3,308,033, 3–7–67, Cl. 176—72.
Alfille, Lucien, J.-C. Charrault, and F. Lafointaine, to European Atomic Energy Community (Euratom). Fuel pencils having a thin flexible can for nuclear reactors. 3,309,283, 3–14–67, Cl. 176—72.
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Alterwitz, Melvin. Chilled beverage dispensing system. 3,327,902, 6–27–67, Cl. 222—108.

Alting-Mees, Hemmo R., to Westinghouse Electric Corp. Target assembly comprising insulating target, field and collector meshes. 3,303,373, 2–7–67, Cl. 313—65.

Altman, Frank, Jr., to The Eagle-Picher Co. Flexible plastic bag package. 3,338,398, 8–29–67, Cl. 206—57.

Altman, George I.: *See*—
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Altman, Gerald. Photographic documentary storage process and apparatus. 3,324,764, 6–13–67, Cl. 88—24.

Altman, Gerald. Process for producing images by episcopic projection utilizing directive illumination. 3,331,688, 7–18–67, Cl. 96—27.

Altman, Mary J. W. N.: *See*—
Altman, Russell S. Re. 26,257.

Altman, Russell S., deceased, by G. I. and M. J. W. N. Altman, co-executors. Method of cooking grain in a closed system. Re. 26,257, 8–29–67, Cl. 99—80.

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Altmann, Werner E., K. Enke, and A. F. Rothweiler, to Daimler-Benz Aktiengesellschaft. Sliding joint. 3,298,200, 1–17–67, Cl. 64—21.

Altmeppen, Johannes, and H. Hinrichs, to Westinghouse Bremsen- und Apparatebau, G.m.b.H. Flow control valve device. 3,338,263, 8–29–67, Cl. 137—493.7.

Altmeyer, John, to New-Tronics, Inc. Extensible dipole with adjustable loading coils. 3,327,311, 6–20–67, Cl. 343—750.

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Altonji, Edmund R., to International Telephone and Telegraph Corp. Pulse code modulation encoding and decoding apparatus. 3,320,534, 5–16–67, Cl. 325—38.

Altonji, John A., and J. G. Vaiana, to Potter Instrument Co., Inc. Adjustable quick-release mechanism for print drum. 3,347,159, 10–17–67, Cl. 101—93.

Altorfer, Hans. Bedstead. 3,300,794, 1–31–67, Cl. 5—68.

Altosaar, Heino, to Dominion Tar & Chemical Co., Ltd. Axial feed waferizer. 3,304,970, 2–21–67, Cl. 144—162.

Altscher, Siegfried, and M. N. Schneider, to Nopco Chemical Co. Polyester-polyisocyanate materials and coatings obtained therefrom. 3,304,286, 2–14–67, Cl. 260—47.

Altseimer, John H., to Aerojet-General Corp. Rocket nozzle with automatically adjustable auxiliary nozzle portion. 3,358,933, 12–19–67, Cl. 239—265.43.

Altson, Ralph, to General Motors Corp. Roller bearing cage. 3,356,428, 12–5–67, Cl. 308—217.

Alul, Husni R., S. G. Clark, and G. J. McEwan, to Monsanto Co. Alkyl aryl process. 3,349,144, 10–24–67, Cl. 260—671.

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Brown, Melvin H., Lifka, and Pitts. 3,333,989.
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Alvarez, Francisco, to Syntex Corp. Process for the preparation of uncontaminated 17_2-ethynyl-19-nor-Δ^4-androsten-17β-ol-3-one. 3,299,106, 1–17–67, Cl. 260—397.4.

Alvarez, Francisco, to Syntex Corp. Process for preparation of 19-nor-$\Delta^{5(10)}$-androstene-3,17-dione and 19-nor-Δ^4-androstene-3,17-dione. 3,301,877, 1–31–67, Cl. 260—397.3.

Alvarez, Francisco, to Syntex Corp. Process for the preparation of $\Delta^{1,3,5(10)}$-trienes and 3-keto-6-oxygenated-$\Delta^{5(10)}$-dehydro intermediates thereof. 3,318,923, 5–9–67, Cl. 260—397.4.

Alvarez, Francisco, J. B. Siddall, and A. Ruiz, to Syntex Corp. Process for the hydrolysis of cyclic acetals and ketals. 3,338,926, 8–29–67, Cl. 260—397.4.

Alvarez, Francisco, J. B. Siddall, and A. Ruiz, to Syntex Corp. Process for the hydrolysis of bismethylenedioxy derivatives. 3,338,930, 8–29–67, Cl. 260—397.45.

Alvarez, Luis W., to Optical Research and Development. Optical range finder with variable-angle exponential prism. 3,299,768, 1–24–67, Cl. 88—2.4.

Alvarez, Luis W., to Optical Research and Development Corp. Two-element variable-power spherical lens. 3,305,294, 2–21–67, Cl. 351—169.

Alvarez-Calderon, Alberto. Flap actuator. 3,333,791, 8–1–67, Cl. 244—42.

Alvarez-Calderon, Alberto. Actuator for variable span wing. 3,333,792, 8–1–67, Cl. 244—43.

Alvden, Bror R. J. H., to Aktiebolaget Gotaverken. Means for releasable connection of building elements. 3,339,954, 9–5–67, Cl. 287—189.36.

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Alvey, Francis B., to Celanese Coatings Co. Epoxide resin process. 3,350,353, 10–31–67, Cl. 260—47.

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Amacher, Arthur W. Automatic headlight dimming system for interrupting the connection of the voltage source to the bright filaments only. 3,325,680, 6–13–67, Cl. 315—82.

Amada, Sanae, R. Kawano, M. Arakawa, and H. Iwano, to Fujitsu Ltd., and Kurosawa Tele-Communications Ltd. Typewriter with typewheel and hammer mounted on movable carriage. 3,353,648, 11–21–67, Cl. 197—55.

Amagasa, Masataka, T. Yamaguchi, and M. Tanaka. Process for the preparation of conjugated cyclohexadienes. 3,326,991, 6–20–67, Cl. 260—666.

Amagasa, Masataka, and T. Yamaguchi, to Chiyoda Kakokensetsu Kabushiki Kaisha. Process for the production of polyalkylcyclohexenes and polyalkylbenzenes. 3,346,654, 10–10–67, Cl. 260—666.

Amagasa, Masataka, T. Yamaguchi, and Y. Saito, to Chiyoda Kakokensetsu Kabushiki Kaisha. Process for the preparation of cyclohexene and alkyl-substituted cyclohexenes. 3,359,339, 12–19–67, Cl. 260—666.

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Amann, August, W. Jentzsch, and G. Neubauer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. N-isopropylcarbamic acid-(2,2,2-trischloromethyl)-ethyl ester. 3,336,367, 8–15–67, Cl. 260—482.

Amann, Herbert, and E. Bäder, to Deutsche Gold- und Silber-Scheideanstalt vormals Roesler. Production of shaped polyamide structures of improved properties using amides, sulfoxides or sulfones. 3,359,227, 12–19–67, Cl. 260—30.8.

Amano, Masahiro, and H. Ohye, to Mitsubishi Paper Mill, Ltd. Method for preparing pressure-sensitive filler-containing copying paper and paper thereof. 3,330,722, 7–11–67, Cl. 162—181.

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Amborski, Leonard E., and W. P. Weisenberger, to E. I. du Pont de Nemours and Co. Cellular polyamide product. 3,310,506, 3–21–67, Cl. 260—2.5.

Ambos, Henry F., and H. R. Letchworth, to Seafoods Automation Corp. Apparatus for processing shrimp. 3,310,832, 3–28–67, Cl. 17—2.

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Amdahl, Gene M., R. J. Carnevale, A. F. Collins, E. R. Marsh, and A. E. Villante, to International Business Machines Corp. Storage protection systems. 3,328,768, 6–27–67, Cl. 340—172.5.

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Amemiya, Hiroshi, T. R. Mayhew, and R. L. Pryor, to Radio Corp. of America. Midpoint conductor drive and sense in a magnetic memory. 3,319,233, 5–9–67, Cl. 340—174.

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Ames, Geoffrey R., to United States of America, Agriculture. Surface active compositions containing mixtures of mono and di-alkyloxymethyl ethers of sugar. 3,300,413, 1–24–67, Cl. 252—351.
Ames, Geoffrey R., to United States of America, Agriculture. Process for the production of ethers of organic polyhydroxy compounds. 3,314,936, 4–18–67, Cl. 260—209.
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Ames, Ray W., Jr., J. Barnes, and P. J. Kreppel, to Bell Aerospace Corp. Data-link system. 3,327,055, 6–20–67, Cl. 178—50.
Ames, Robert G., to Ames Taping Tool Systems Mfg. Co. Metal stud and panel. 3,312,032, 4–4–67, Cl. 52—580.
Ames, Robert G., to Ames Taping Tool Systems Mfg. Co. Swingable arcuate trowelling blade for mastic applicator. 3,343,202, 9–26–67, Cl. 15—595.
Ames, Stuart L., F. A. Malagari, Jr., and J. R. Conner, Jr., to Allegheny Ludlum Steel Corp. Coating for the protection of ferrous base alloys at elevated temperatures. 3,301,702, 1–31–67, Cl. 117—135.1.
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Ammon, Johannes H., to The Babcock & Wilcox Co. Heat exchanger U-bend tube arrangement. 3,360,037, 12–26–67, Cl. 165—158.

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Ammons, Walter D. Air grill including a wooden frame. 3,345,930, 10–10–67, Cl. 98—114.

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Amodei, Juan J., to Radio Corp. of America. Electrical circuit. 3,321,640, 5–23–67, Cl. 307—88.5.

Amon, Maurice E. Means for preventing dropping of saxophones and like musical instruments. 3,354,522, 11–28–67, Cl. 24—236.

Amore, Charles J., and J. F. Murphy, to Olin Mathieson Chemical Corp. Method of improving the corrosion resistance of oxidized metal surfaces. 3,351,540, 11–7–67, Cl. 204—35.

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Anders, Bertram, E. Kuhle, and H. Malz, to Farbenfabriken Bayer Aktiengesellschaft. Phosphorus isocyanide dichloride compounds. 3,328,495, 6–27–67, Cl. 260—959.
Anders, Bertram, E. Kuhle, and K. Dickore, to Farbenfabriken Bayer Aktiengesellschaft. Process for the preparation of sulphonyl isocyanide dichlorides. 3,299,134, 1–17–67, Cl. 260—556.
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Anders, Gerhard, to Hamac-Hansella Aktiengesellschaft. Apparatus for continuous treatment of kneadable material. 3,335,676, 8–15–67, Cl. 107—4.
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Andersen, Eli F., and L. H. Rohde, to The West Co. Container closure. 3,314,564, 4–18–67, Cl. 215—7.
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Andersen, Johan R., to Bell Telephone Laboratories, Inc. Bearing structure. 3,359,047, 12–19–67, Cl. 308—36.
Andersen, Jon B., to Byron Jackson Inc. Apparatus for removing caked material from a container. 3,358,935, 12–19–67, Cl. 239—589.
Andersen, Obel F. E., to Eric Schaumburg. Magnetically operated fluid control valve. 3,355,140, 11–28–67, Cl. 251—65.
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Andersen, Ralph V. Audio visual teaching device. 3,350,792, 11–7–67, Cl. 35—8.
Andersen, Robert A., and R. E. Cooley, to Hewlett-Packard Co. Integrating converter. 3,296,613, 1–3–67, Cl. 340—347.
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Anderson, Charles. Band saw for butchering meat. 3,295,400, 1–3–67, Cl. 83—661.
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Anderson, Daniel G., and S. Selman, to E. I. du Pont de Nemours and Co. Perfluorodivinyl ether. 3,326,984, 6–20–67, Cl. 260—614.
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Anderson, Daniel M., to Refractory Products Co. Test apparatus and mold for molten metals. 3,321,973, 5–30–67, Cl. 73—359.
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Anderson, Dean M., and J. V. Calisher, to E. B. Wiggins, Inc. Quick connect valved coupling. 3,336,944, 8–22–67, Cl. 137—614.04.
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Anderson, Donald L., K. L. Walton, and R. F. Huelskamp, to Sylvania Electric Products Inc. Method of making low frequency horn antenna. 3,339,275, 9–5–67, Cl. 29—601.
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Anderson, Douglas G. Apparatus for generating a function by cubic interpolation. 3,311,742, 3–28–67, Cl. 235—197.
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Anderson, Edgar L., to Ritter Pfaudler Corp. Accessory clamping structure for surgical tables. 3,339,913, 9–5–67, Cl. 269—328.
Anderson, Edgar L., and N. E. Lauterbach, to Wilmot Castle Co. Closure apparatus for pressure chamber. 3,352,446, 11–14–67, Cl. 220—41.
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Anderson, Evert V., to Westinghouse Air Brake Co. Method and apparatus for simultaneously performing multiple forming operations. 3,354,482, 11–28–67, Cl. 10—92.
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Anderson, Frank E., R. H. Campbell, and S. E. Jolly, to Sun Oil Co. Water-in-oil emulsions. 3,311,561, 3–28–67, Cl. 252—75.
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Anderson, George F., to Aerojet-General Corp. Laminated rotor member for dynamoelectric machine of axial air gap type. 3,329,843, 7–4–67, Cl. 310—168.
Anderson, George J., and C. R. Williams, to Monsanto Co. Emulsion latex containing partial amide of styrene-maleic anhydride copolymer as emulsifier. 3,297,620, 1–10–67, Cl. 260—29.6.
Anderson, George M., S. S. Jaffe, and M. D. Bowers, to McGraw-Edison Co. Method of externally determining discharge capability of a battery with a metal electrode. 3,359,494, 12–19–67, Cl. 324—29.5.
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Anderson, George W., J. R. Harder, and R. A. Mahaffy, to Mahaffy & Harder Engineering Co. Packaging apparatus with improved product loader. 3,354,613, 11–28–67, Cl. 53—251.
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Anderson, James H. Vaporized fluid power system. 3,315,466, 4–25–67, Cl. 60—36.

Anderson, James H. Vehicular power plant. 3,339,663, 9–5–67, Cl. 180—67.

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Anderson, Jerrold L., G. L. Gardner, and N. H. Yoshida, to The National Cash Register Co. Encapsulation of aspirin in ethylcellulose and its product. 3,341,416, 9–12–67, Cl. 167—83.

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Anderson, John G. Attenuation of high frequencies in commercial frequency power transmission lines. 3,333,119, 7–25–67, Cl. 307—89.

Anderson, John J., to S. C. Johnson & Sons, Inc. Captive plastic closure for container with integral container handle. 3,307,752, 3–7–67, Cl. 222—465.

Anderson, John J., and W. C. Harris, to S. C. Johnson & Son, Inc. Actuator cap. 3,312,723, 4–4–67, Cl. 222—402.13.

Anderson, John L., to Cleanometer Corp. Surface for contamination detection by using a radioactive labeled compound. 3,297,874, 1–10–67, Cl. 250—106.

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Anderson, John W. Windshield wiper assembly. 3,317,946, 5–9–67, Cl. 15—250.42.

Anderson, John W. Windshield wiper blade. 3,328,825, 7–4–67, Cl. 15—250.36.

Anderson, John W. Windshield wiper blade assembly. 3,350,738, 11–7–67, Cl. 15—250.42.

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Anderson, Karl R. Wire contact device. 3,349,196, 10–24–67, Cl. 179—175.25.

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Anderson, Kelvin G., to W. R. Grace & Co. Package. 3,334,735, 8–8–67, Cl. 206—46.

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Anderson, Lars H. V., to Anson Inc. Picture frame easel. 3,350,047, 10–31–67, Cl. 248—464.

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Anderson, Lloyd L., to Amerock Corp. Foldable tablet assembly. 3,351,377, 11–7–67, Cl. 297—162.

Anderson, Lloyd R. Non-loosening hinge and mold. 3,327,435, 6–27–67, Cl. 52—27.

Anderson, Lloyd R. Non-loosening hinge. 3,345,679, 10–10–67, Cl. 16—128.

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Anderson, Paul G., 75% to Haak Mfg., Inc., and 25% to B. Curry. Cover for outdoor seats. 3,298,045, 1–17–67, Cl. 5—345.

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Anderson, Philip C., and F. Lothrop, to Feed Service Corp. Time controlled liquid dispenser. 3,347,212, 10–17–67, Cl. 119—51.11.

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Anderson, Philip M. Push button stop for multiple key telephone set. 3,333,069, 7–25–67, Cl. 200—42.

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Anderson, Ralph F., and L. Strombeck, to R. F. Anderson. Carton infeed mechanism. 3,298,288, 1–17–67, Cl. 93—53.
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Anderson, Robert H., to Standard Oil Co. Storage containers. 3,335,904, 8–15–67, Cl. 220—83.
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Anderson, Terry O., B. A. Blackman, and R. O. Wilson, to Halliburton Co. Well logging with single channel cable. 3,302,165, 1–31–67, Cl. 340—18.
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Anderson, Victor C., to The Regents of the University of California. Real-time running mean generator. 3,316,544, 4–25–67, Cl. 340—174.1.
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Anocut Engineering Co.: *See*—
Bender, Joseph L., and Williams. 3,309,303.
Bruns, Norbert A. 3,311,549.
Williams, Lynn A. 3,326,785.
Williams, Lynn A. 3,352,774.
Williams, Lynn A., and Davis. 3,328,279.
Anraku, Takao, J. Ide, and T. Kobayashi, to Chugai Seiyaku Kabushiki Kaisha. Adenosine triphosphate salts of L-ornithine and process for preparing the same. 3,340,249, 9–5–67, Cl. 260—211.5.
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Thomas, Edward W., Henthorn, and Boie. 3,320,419.
Anschel, Joachim, A. E. Fox, G. L. Evans, and B. S. Schwartz, to Warner-Lambert Pharmaceutical Co. Process for the preparation of a soluble bacterial extract. 3,331,741, 7–18–67, Cl. 167—78.
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Anschutz, Rolf, to SWF, Spezialfabrid fuer Autozubehoer Gustav Rau G.m.b.H. Time delay switch having pneumatically delayed disconnection means. 3,303,297, 2–7–67, Cl. 200—34.
Anselin, Francois, and R. Pascard, to Commissariat a l'Energie Atomique. Process for the preparation of metallic nitrides. 3,322,510, 5–30–67, Cl. 23—347.
Anson, Howard G.: *See*—
Long, George E., and Anson. 3,334,560.
Anson, Inc.: *See*—
Anderson, Lars H. V. 3,350,047.
Anderson, Olof V. 3,299,679.
Anderson, Olof V 3,319,305.
Anson, Michael D. Inner spring mattress and handle combination. 3,351,964, 11–14–67, Cl. 5—351.
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Vincent, René C. 3,330,516.
Anspach, Alexander M., Jr., to General Dynamics Corp. Snap-in terminal. 3,334,327, 8–1–67, Cl. 339—217.
Anspon, Harry D., to General Aniline & Film Corp. Optical effect in acrylate polymers by an internal foamed structure. 3,330,784, 7–11–67, Cl. 260—2.5.
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Anstalt Europaische Handelsgesellschaft: *See*—
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Anstalt fur Montage-Technik: *See*—
Gawlick, Heinz. 3,335,855.
Hilt, Martin. 3,324,542.
Seghezzi, Hans-Dieter and Rangger. 3,321,122.
Anstalt fur Technische Entwicklung und Verwertung: *See*—
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Anstalt, Panoduz: *See*—
Privas, Yves. 3,336,713.
Anstalt Tropa: *See* –
Beckmann, Joseph. 3,330,926.
Anstee, Leon L., to Sperry Rand Corp. Forage receiving and self-unloading unit. 3,348,707, 10–24–67, Cl. 214—44.
Anstett, Raymond M., W. W. Wellman, and H. W. Andrews, to Colgate-Palmolive Co. Detergent bar. 3,340,196, 9–5–67, Cl. 252—106.
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Keller, William E. 3,313,264.
Ansul Co., The: *See*—
Harnden, Robert C., and Moore. 3,342,584.
Antalek, John J., to TRW Inc. Coupling device with transformer and disc capacitors. 3,327,172, 6–20–67, Cl. 317—99.
Antares, S.p.A.: *See*—
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Antaya, Clifford R., and R. W. Fox, to General Motors Corp. Convertible top latch mechanism. 3,353,864, 11–21–67, Cl. 296—121.
Antell, George R., to International Standard Electric Corp. Method of forming a gallium arsenide transistor by diffusion. 3,352,725, 11–14–67, Cl. 148—186.
Antelo, Rodolfo B. Sole and heel structure for shoes. 3,318,-025, 5–9–67, Cl. 36—30.
Antelo, Rodolfo B. Heel structure for shoes. 3,318,026, 5–9–67, Cl. 36—42.
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Finke, Arthur A., Kline, Pikler, and Robertson. 3,318,-561.
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Antes, Hans-Peter. Electronic stepping switch. 3,296,384, 1–3–67, Cl. 179—100.1.
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Anthes, Clifford C., and B. H. Acomb, to Union Carbide Corp. Anti-backlash throttle valve. 3,338,549, 8–29–67, Cl. 251—224.
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Merson, Karol J. W. 3,342,007.
Anthes, John A., and D. D. Phelps, to Dravo Corp. Pelletizing method. 3,326,668, 6–20–67, Cl. 75—3.
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Anthon, Erik W., to Warner-Lambert Pharmaceutical Co. Automatic rebalance measuring system with its indicator coupled by eccentric drive means for scale distribution control. 3,323,058, 5–30–67, Cl. 324—132.
Anthony, Andrew J., to Combustion Engineering, Inc. Coupling joint for nuclear reactor control rod arrangement. 3,309,118, 3–14–67, Cl. 287—103.
Anthony, Andrew J., to Combustion Engineering, Inc. Nuclear reactor fuel assembly-control rod organization. 3,314,859, 4–18–67, Cl. 176—50.
Anthony, Andrew J., to Combustion Engineering, Inc. Fuel assembly for nuclear reactor. 3,352,758, 11–14–67, Cl. 176—78.
Anthony, Andrew J., and M. B. Loureiro, to Combustion Engineering, Inc. Nuclear reactor fuel assemblies. 3,331,749, 7–18–67, Cl. 176—78.
Anthony, Benjamin F., to Oglebay Norton Co. Attaching means for bottom ring. 3,302,921, 2–7–67, Cl. 249—202.
Anthony, Charles, Jr., to Specialties Development Corp. Foam plug generator. 3,342,271, 9–19–67, Cl. 169—15.
Anthony, Donald R., R. G. Loncaric, and R. E. Fields, to The Atlantic Refining Co. Method for preventing corrosion. 3,298,438, 1–17–67, Cl. 166—38.
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Anthony, Joseph G. Building with internal air flow passages. 3,303,770, 2–14–67, Cl. 98—31.
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Anthony, Myron L., and B. R. Better, to Scully International, Inc. Apparatus for automatic tool changing. 3,311,973, 4–4–67, Cl. 29—568.
Anthony, Myron L., and B. R. Better, to Scully-Anthony Corp. Automatic tool changing apparatus. 3,315,351, 4–25–67. Cl. 29—568.
Anthony, Myron L. Instrumentation systems. 3,344,665, 10–3–67, Cl. 73—178.
Anthony, Paul P., and H. W. Rahn, to Pittsburgh Plate Glass Co. Electrolytic production of alkali metal chlorates. 3,329,-594, 7–4–67, Cl. 204—95.
Anthony, Russel W.: *See*—
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Motz, Carl H., and Anthony. 3,314,157.
Anthony, Russel W., to National Broach & Machine Co. Expanding arbor. Re. 26,248, 8–15–67, Cl. 82—44.
Anthony, Russel W., to National Broach & Machine Co. Gear checker. 3,299,521, 1–24–67, Cl. 33—179.5.

Anthony, Russel W., to National Broach & Machine Co. Expanding arbors. 3,299,753, 1–24–67, Cl. 82—44.
Anthony, Russel W., to National Broach & Machine Co. Broaching apparatus. 3,327,589, 6–27–67, Cl. 90—71.
Anthony, Russel W., to National Broach & Machine Co. Checker. 3,337,964, 8–29–67, Cl. 33—179.5.
Anthony, Russel W., to National Broach & Machine Co. Method and apparatus for correcting ovality of annular gears. 3,353,391, 11–21–67, Cl. 72—110.
Anthony, Russel W., and C. H. Motz, to National Broach & Machine Co. Pitch diameter rounder. 3,353,392, 11–21–67, Cl. 72—110.
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Zoda, Frederick A., and Anthony. 3,328,540.
Anthony, Walter H., F. A. Zoda, and K. H. Walterick, to Circle F Mfg. Co. Rotary dimmer switch of the canopy type. 3,359,393, 12–19–67, Cl. 200—155.
Anthony, William A. Coasting vehicle. 3,339,940, 9–5–67, Cl. 280—87.01.
Anthony, William C.: *See*—
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Anthony, William C., to The Upjohn Co. Dispiro[cycloalkane-1,2′-oxirane-3′,3′′-indolin]-2′′-ones, and intermediates and process therefor. 3,301,868, 1–31–67, Cl. 260—325.
Anthony, William C., to The Upjohn Co. Pyrimido-1,3,5-triazinols. 3,354,159, 11–21–67, Cl. 260—249.6.
Anthun, Bjarne, to Motorola Inc. Distortionless volume-tone control circuit. 3,349,331, 10–24–67, Cl. 325—424.
Antill, John E., to United Kingdom Atomic Energy. Ceramic fuel element for a gas-cooled nuclear reactor including a metallic fuel container provided with an oxidation resistant coating. 3,359,176, 12–19–67, Cl. 176—82.
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Anton, Ernst, to Badische-Anilin- & Soda-Fabrik Aktiengesellschaft. Crystalline modifications of perylene-3,4,9,10-tetracarboxylic acid bis-(4-phenylazo)-phenylimide. 3,346,551, 10–10–67, Cl. 260—152.
Anton, Joe. V-block clamp construction. 3,358,990, 12–19–67, Cl. 269—118.
Anton, Nicholas, to Eon Corp. Micro-miniature beta gamma detector having a hollow tubular cathode. 3,297,896, 1–10–67, Cl. 313—93.
Anton, Nicholas, to Wen Products, Inc. Electrically heated soldering device. 3,316,385, 4–25–67, Cl. 219—236.
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Mohn, Reuben A., and Antonelli. 3,343,517.
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Antonides, Harold J., and R. L. Dietchweiler, to Armour Pharmaceutical Co. Field test for indicating and measuring quaternary ammonium compounds. 3,317,282, 5–2–67, Cl. 23—230.
Antonides, Harold J., to Armour Pharmaceutical Co. Anti-inflammatory preparations containing proteolytic enzymes and adrenal glucocorticoids. 3,324,002, 6–6–67, Cl. 167—73.
Antonik, Alan S. Adhesive bandage having container of medicament carried by removable protector strip. 3,297,032, 1–10–67, Cl. 128—268.
Antonio, Carlo Degli. Web doffing device for carding machines, with blades or wires moving in planes tangent to the doffer. 3,345,698, 10–10–67, Cl. 19—106.
Antonio, Carlo Degli. Positioning device for the thread guide of a reeling machine. 3,334,830, 8–8–67, Cl. 242—53.
Antonioli, Louis A. Lock mechanism. 3,312,494, 4–4–67, Cl. 292—281.
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Antonsen, Cyrus M. Attachment for supplying auxiliary air to a carburetor. 3,301,539, 1–31–67, Cl. 261—47.
Antonsen, Donald H., and R. H. Johnson, to Sun Oil Co. Preparation of synthetic lubricating oils. 3,325,560, 6–13–67, Cl. 260—683.15.
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Podell, Allen F. 3,327,220.
Sontheimer, Carl G. 3,325,587.
Anzalone, Emilio A. Drill coupling tool. 3,341,237, 9–12–67, Cl. 287—125.
Aoki, Eizo. Hydraulically actuated clamping mechanism for the mold in an injection molding apparatus. 3,310,840, 3–28–67, Cl. 18—30.
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Aoki, Nobuhiko, and M. Ajiro, to Kabushiki Kaisha Hitachi Seisakusho. D.C.-A.C. conversion circuit having output frequency which is independent of load and power supply variations. 3,310,755, 3–21–67, Cl. 331—113.
Aoki, Toshio, to Hitachi Electronics Co., Ltd. Microwave wide-band detectors. 3,353,125, 11–14–67, Cl. 333—98.
Aoki Yoshikazu, T. Kamei, and A. Hayami, to Tachikawa Research Institute. Process for the manufacture of rayon paper or non-woven fabric by the wet system. 3,320,117, 5–16–67, Cl. 162—157.
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Apfelbaum, Jerome G., R. L. Bachner, and J. M. Mountz, to Solar Systems Inc. Punched card reader. 3,335,265, 8–8–67, Cl. 235—61.11.
Apfelbeck, Ludwig, to Bayerische Motoren Werke A.G. Valve control for internal combustion engines. 3,299,871, 1–24–67, Cl 123—90
Apice, Pasquale J., to Allied Chemical Corp. Air drying polyesters. 3,352,943, 11–14–67, Cl. 260—871.
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Apostle, George, D. W. P. Carlson, and P. J. Polland. Bowling score computer. 3,310,659, 3–21–67, Cl. 235—92.
Apostolina, Alexander: *See*—
Adler, Irwin L., and Apostolina. 3,338,724.
Apotheker, David, to E. I. du Pont de Nemours and Co. Xanthogen disulfide and amine preparation of polychloroprene. 3,300,433, 1–24–67, Cl. 260—29.7.
Apotheker, David, to E. I. du Pont de Nemours and Co. Process for preparing prevulcanized chloroprene polymer latices. 3,317,451, 5–2–67, Cl. 260—29.7.
Apotheker, David, to E. I. du Pont de Nemours and Co. Recovery of dimethyl formamide from triacetylene by distillation in the presence of a polymerization inhibitor. 3,360,443, 12–26–67, Cl. 203—9.
Apouchtine, Dimitri. Outlet grill for air ducts. 3,320,868, 5–23–67, Cl. 98—40.
Appalachian Electronic Instruments, Inc.: *See*—
Fertig, Raymond B., and Nickell. 3,345,836.
Nickell, Lawrence C., and Fertig. 3,345,835.

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Myon, Rene. 3,314,757.
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Appel, Henry W., W. Borberg, and A. F. Hayek, to Smith Kline & French Laboratories. Ultrasonic transducer scanner. 3,308,652, 3–14–67, Cl. 73—71.5.
Appel, Rolf, to Olin Mathieson Chemical Corp. Trimethylamine-imine di(tert.) butanol and process of preparation. 3,313,855, 4–11–67, Cl. 260—583.
Appel, Rolf, to Olin Mathieson Chemical Corp. Dimethyl triphenyl phosphinimine phosphate. 3,356,767, 12–5–67, Cl. 260—926.
Appel, Rolf, to Olin Mathieson Chemical Corp. Process for preparing halosulfonyl isocyanates. 3,357,804, 12–12–67, Cl. 23—357.
Appel, Rolf, to Olin Mathieson Chemical Corp. Triphenylphosphinimine dihalophosphates and their production. 3,358,021, 12–12–67, Cl. 260—543.
Appelbaum, Arthur, to E. I. du Pont de Nemours and Co. Stripping films. 3,307,950, 3–7–67, Cl. 96—83.
Appeldorn, Roger H., to Minnesota Mining and Mfg. Co. Nested fresnel-type lenses. 3,334,958, 8–8–67, Cl. 350—211.
Appeldorn, Roger H., and D. C. Gilkeson, to Minnesota Mining and Mfg. Co. Projection objective affording variable magnification. 3,357,775, 12–12–67, Cl. 350—186.
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Case, John S., and Appell. 3,356,342.
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Apperson, Charles H., and J. R. Misenheimer, to Monsanto Co. Acrylonitrile polymer spinning compositions. 3,313,758, 4–11–67, Cl. 260—29.6.
Apple, Eugene F., and J. B. Hollopetre, to General Electric Co. Calcium halophosphate phosphor for highly loaded lamp. 3,351,796, 11–7–67, Cl. 313—109.
Apple, Garold E. Tree stand. 3,350,043, 10–31–67, Cl. 248—48.
Apple, Joseph S., to The Bunker-Ramo Corp. Amplifying circuit with controlled disabling means. 3,303,843, 2–14–67, Cl. 328—95.
Apple, Joseph S., to The Bunker-Ramo Corp. Digital storage register transfer apparatus. 3,319,228, 5–9–67, Cl. 340—172.5.
Applebaum, Curtis H., 40% to G. J. McGrath, 30% to C. H. Applebaum, and 30% to W. B. Legerquist. Telephone message-waiting monitoring device. 3,320,368, 5–16–67, Cl. 179—84.
Applebaum, Samuel B., and G. J. Crits, to Crane Co. Steam power plant, 3,336,747, 8–22–67, Cl. 60—64.
Applebee, Gerald L., to Carrier Corp. Fluid fuel burner. 3,358,737, 12–19–67, Cl. 158—115.
Appleberry, Walter T., to Douglas, McDonnell Corp. Hermaphrodite coupling. 3,337,244, 8–22–67, Cl. 285—70.
Appleby, Basil P. Intra-uterine contraceptive device. 3,319,625, 5–16–67, Cl. 128—130.
Appleby, Edward F., Jr., and F. P. Hodges, to United States of America, Navy. System for measuring sea surface characteristics from a submerged submarine. 3,336,800, 8–22–67, Cl. 73—170.
Appleby, Henry H., to Neway Sales, Inc. Valve seat cutter. 3,354,528, 11–28–67, Cl. 29—105.
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Appleby, John, to Quality Food Products, Inc. Method of improving pretzel products. 3,306,751, 2–28–67, Cl. 99—86.
Applegate, Earl. Power driven baseball pitching machine with batter signalling means. 3,308,802, 3–14–67, Cl. 124—1.
Applegate, Leslie T., and P. Kavula, to Surgical Appliance Industries, Inc. Cervical splint. 3,313,297, 4–11–67, Cl. 128—75.
Applegath, Douglas D., and W. A. Henson, to The Dow Chemical Co. Transparent mixed epoxy resin composition and safety laminated articles made therefrom. 3,315,035, 4–18–67, Cl. 178—7.82.
Appleman, Leon. Heating unit. 3,303,324, 2–7–67, Cl. 219—345.
Appleman, Milo D., to J. J. Schroeder. Method and means for converting odors in manure and human excreta. 3,345,152, 10–3–67, Cl. 71—21.
Appleman, William S., to Harsco Corp. Tail gate latch assembly. 3,305,263, 2–21–67, Cl. 296—56.
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Turner, Chares T., and Appler. 3,302,506.
Appleton, Anthony D., to International Research & Development Co. Ltd. Electric contact brushes. 3,349,210, 10–24–67, Cl. 200—166.
Appleton, Arthur I. Quick mounting hanger for pipe and conduit. 3,310,264, 3–21–67, Cl. 248—72.
Appleton, Arthur I. Multi-conductor cable connector of bridging type. 3,323,096, 5–30–67, Cl. 339—89.
Appleton, Arthur I. Explosion-proof plug and receptacle with switch means. 3,330,920, 7–11–67, Cl. 200—51.07.
Appleton, Arthur I. Explosion-proof plug and receptacle with releasable socket engaging means. 3,346,709, 10–10–67, Cl. 200—51.9.
Appleton, Arthur I. Explosion-proof switch. 3,350,532, 10–31–67, Cl. 200—168.
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Appleton, Daniel, and G. W. Cleversey, to United Shoe Machinery Corp. Shoe manufacturing. 3,348,251, 10–24–67, Cl. 12—147.
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Klemmer, Paul J. 3,359,938.
Mater, Milton H. 3,310,079.
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Appleton, Martin D.: *See*—
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Arnold, Edwin W., O. L. Updike, Jr., and N. R. Zinner, to Azur Associates. Diaper with film enclosed absorbent. 3,344,789, 10–3–67, Cl. 128—287.

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Arnold, Howard N., to Baron-Blakeslee, Inc. Degreaser with optionally rotary and non-rotary containers. 3,308,920, 3–14–67, Cl. 198—19.
Arnold, James S., J. A. Kochly, V. Salmon, and C. T. Vincent, to Stanford Research Institute. Sound communication system. 3,328,753, 6–27–67, Cl. 340—15.
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Arnold, Karl F., to United States Steel Corp. Deflector roll repositioning assembly. 3,350,904, 11–7–67, Cl. 72—17.
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Arnold Otto, to Bell Telephone Laboratories, Inc. Limit detector with inductors connected in series aiding and mutual coupling to reduce parasitic inductance. 3,319,084, 5–9–67, Cl. 307—88.5.
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Arnold, Roy T., to Sperry Rand Corp. Superconductive flux magnifier. 3,320,522, 5–16–67, Cl. 324—43.
Arnold, Sieghard, G. Buhrmann, J. Haasis, H. Heinrich, M. Nitschke, G. Schacht, and E. Spieth, to International Business Machines Corp. Print hammer unit for high speed printers. 3,359,921, 12–26–67, Cl. 101—93.
Arnold, Theodore M. Calculating device. 3,298,604, 1–17–67, Cl. 235—87.
Arnold, Walter, and K. Ostertag, to Vereinigte Glanzstoff-Fabriken AG. Electrostatic separation of long from short fibers. 3,329,264, 7–4–67, Cl. 209—128.
Arnold, Walter C., to Koppers Co. Shaft seal. 3,334,906, 8–8–67, Cl. 277—3.
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Arnold, Wayne E., to Westinghouse Electric Corp. Time delay computer element for indicating input conditions. 3,348,070, 10–17–67, Cl. 307—88.5.
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Arnoldy, Hans., to North American Philips Co., Inc. Method of producing 2,2,6,6-tetrachlorocyclohexanone. 3,360,565, 12–26–67, Cl. 260—586.
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Arntsen, Arnt P., to Westinghouse Electric Corp. Dual mode oscillator circuits. 3,328,720, 6–27–67, Cl. 331—59.
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Aron, Erwin, to Technical Processing, Inc. Phenoxy compounds as wetting agents for thermoplastic compositions. 3,337,490, 8–22–67, Cl. 260—31.4.
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Aronson, Arnold J., Z. A. Green, and W. E. Hurley, to Maser Optics, Inc. Flash lamp mounting apparatus. 3,337,763, 8–22–67, Cl. 313—22.
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Arp, Leon J., to Iowa State University Research Foundation, Inc. Infant supporting apparatus. 3,306,287, 2–28–67, Cl. 128—134.
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Asbury, Edward M. Apparatus for supporting mine brattices. 3,306,180, 2–28–67, Cl. 98—50.

Asbury, George F., E. J. Kohn, and J. R. Richards, to United States of America, Navy. Visual auto correlation method to distinguish wanted signal from noise. 3,329,894, 7–4–67, Cl. 324—77.

Asbury, George F., E. J. Kohn, and J. R. Richards. Frequency comparing system using an oscilloscope display. 3,333,190, 7–25–67, Cl. 324—79.

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Aschauer, George R., to Twin Disc Clutch Co. Multiple stage, hydraulic jet propulsion apparatus for water craft. 3,328,-961, 7–4–67, Cl. 60—222.

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Asenbauer, Donald J., to Shell Oil Co. Stackable container. 3,327,896, 6–27–67, Cl. 220—97.

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Ash, Thomas C., Jr., to Turon, Inc. Temperature measuring device. 3,348,415, 10–24–67, Cl. 73—362.

Ashbrook, Clifford L., and W. G. Wing. Valve. 3,301,522, 1–31–67, Cl. 251—61.

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Ashby, Bruce A., to General Electric Co. Fluoroorgano-substituted silanes. 3,360,538, 12–26–67, Cl. 260—448.2.

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Avedikian, Araxia B. and S. Z. Dry ice cream mix composition and a method for producing same. 3,355,300, 11–28–67, Cl. 99—136.

Avedikian, Souren Z.: *See*—
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Avedissian, Michael K., to Western Electric Co., Inc. Thermocompression bonding apparatus. 3,313,464, 4–11–67, Cl. 228—3.

Avellone, Richard C., to Republic Steel Corp. Process for applying cladding of stainless steel on steel base with aluminum bonding layer. 3,352,005, 11–14–67, Cl. 29—484.

Averette, Thomas P., ½ each to J. R. Tweedy and S. Z. Daniels. Sheep foot tamper. 3,358,569, 12–19–67, Cl. 94—50.

Averill, Charles C., to Union Steel Products Co. Portable and collapsible stacking bins or crates. 3,349,939, 10–31–67, Cl. 220—6.

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Avery Francis J., to General Aniline & Film Corp. Photoceramic process for producing vitrified photographic images. 3,341,327, 9–12–67, Cl. 96—34.

Avery, Harold B., to I.R. Associates, Inc. Flat iron support and holder. 3,305,200, 2–21–67, Cl. 248—117.6.

Avery, Howard W., to General Electric Co. Fluid amplifier shift register circuit. 3,350,008, 10–31–67, Cl. 235—201.

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Avery, Ray S., to Avery Adhesive Products, Inc. Laminar means for changing color in response to embossment. 3,340,135, 9–5–67, Cl. 161—120.

Avery, Robert C., to International Telephone and Telegraph Corp. Trouble recorder. 3,329,965, 7–4–67, Cl. 346—107.

Avery, Robert C., and A. Majlinger, to Bell Telephone Laboratories, Inc. Telephone signal reporting system. 3,299,211, 1–17–67, Cl. 179—5.

Avery, Robert T., to Varian Associates. Electron accelerator with specific deflecting magnet structure and X-ray target. 3,360,647, 12–26–67, Cl. 250—49.5.

Avery, William H. Temperature measuring device. 3,312,108, 4–4–67, Cl. 73—359.

Avey, Spencer E., to TRW Inc. D.C. energized constant speed drive for an A.C. motor. 3,346,796, 10–10–67, Cl. 318—341.

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Avignon, Michel L., and A. Y. Le Maout, to International Standard Electric Corp. Non-linear decoder. 3,298,017, 1–10–67. Cl. 340—341.

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Avila, Jesse. Chimney anchor strap. 3,299,593, 1–24–67, Cl. 52—219.

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Avins, Jack, to Radio Corp. of America. Tuning indicator system for multiplex radio receivers. 3,319,004, 5–9–67, Cl. 179—15.

Avins, Jack, to Radio Corp. of America. FM detector system suitable for integration in a monolithic semiconductor body. 3,355,669, 11–28–67, Cl. 329—103.

Aviolanda Maatschappij voor Vliegtuigbouw N.V.: *See*—
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Barkis, Edward, and Tinz. 3,297,782.
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Jezl, James L., Khelghatian, and Hague. 3,303,179.
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Avril, Michel, R. Moreau, and A. Pages, to Commissariat a l'Energie Atomique. Devices for analyzing physical phenomenons, and in particular nuclear phenomenons. 3,345,616, 10–3–67, Cl. 340—172.5.

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Axe, Joel H., to Bunker-Ramo Corp. Frequency responsive receiving system with noise prevention. 3,341,815, 9–12–67, Cl. 340—171.

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Axelson, Jule C., to Axelson Fishing Tackle Mfg. Co. Fishing rod for conventional fishing and spin fishing, and non-fouling line guides incorporated therein. 3,315,400, 4–25–67, Cl. 43—24.

Axelsson, Folke A., to Airspace, Inc. Panel forming apparatus. 3,311,948, 4–4–67, Cl. 18—4.

Axelsson, Folke A. Foam panel making apparatus. 3,328,836, 7–4–67, Cl. 18—4.

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Axelsson, Karl O., to Aktiebolaget Rosenblads Patenter. Method of condensing blow-off steam in sulphate pulping. 3,325,970, 6–20–67, Cl. 55—48.

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Axmark, Roger E., to Honeywell Inc. Flame detector utilizing an ultra-violet sensitive geiger tube. 3,342,995, 9–19–67, Cl. 250—83.6.

Axon, Arnold, H. M. Hood, and S. B. Gander, to Burroughs Wellcome & Co. (U.S.A.) Inc. Process for preparing sodium antimonylgluconate. 3,306,921, 2–28–67, Cl. 260—446.

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Glass, Marvin I., Ayala, and Barlow. 3,299,763.

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Aycock, Harry T., III, and A. J. Lavoie, to United States of America, Navy. Circuit means to adjustably gate and time share two modes of intelligence signals. 3,344,356, 9–26–67, Cl. 328—97.

Aycock, William C., to Thiokol Chemical Corp. Method for initiating or quenching the combustion in a solid propellant rocket motor. 3,354,647, 11–28–67, Cl. 60—220.

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Ayers, David T., Jr., to Kelsey-Hayes Co. Automatic brake adjuster. 3,339,679, 9–5–67, Cl. 188—79.5.

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Ayers, David T., Jr., to Kelsey-Hayes Co. Automatic brake adjuster. 3,360,083, 12–26–67, Cl. 188—79.5.

Ayers, David T., Jr., to Kelsey-Hayes Co. Automatic brake adjuster. 3,360,084, 12–26–67, Cl. 188—79.5.

Ayers, David T., Jr., and W. T. Birge, to Kelsey-Hayes Co. Brake wear indicator. 3,298,466, 1–17–67, Cl. 188—1.

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Ayers, Maurice D., to Metal Innovations, Inc. Production of powder, strip and other metal products from refined molten metal. 3,334,408, 8–8–67, Cl. 29—420.5.

Ayers, Peter, to The British Aluminium Co. Method for continuously casting materials. 3,324,932, 6–13–67, Cl. 164—89.

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Ayers, Peter, and A. G. Furness, to The British Aluminium Co. Ltd. Manufacture of metal pellets. 3,333,949, 8–1–67, Cl. 75—.5.

Ayers, Ralph L. Protective cover for telephone and telegraph distributing frame terminal blocks. 3,329,927, 7–4–67, Cl. 339—198.

Ayers, Robert C., Jr., and J. V. Kehoe, to Chas. Pfizer & Co., Inc. Process for de-ashing basic antibiotics. 3,313,694, 4–11–67, Cl. 167—65.

Ayers, Walter R., to Varian Associates. Traveling wave tube apparatus. 3,317,780, 5–2–67, Cl. 315—3.5.

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Aylesworth, Robert D., C. F. Huber, and H. C. Foulks, Jr., to Emery Industries, Inc. Linear polymeric polyester vinyl resin plasticizers and plasticized compositions. 3,330,789, 7–11–67 Cl. 260—22.

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Ayotte, Robert A., to Wheaton Plastics Co. Dispensing container and closure therefor. 3,315,851, 4–25–67, Cl. 222—559.

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Baak, Nils T. E. A., to Owens-Illinois, Inc. Method for controlling the rate of devitrification. 3,295,944, 1–3–67, Cl. 65—29.
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Babayan, Vigen K., to Drew Chemical Corp. Sterile mono- and di-glyceride pharmaceutical vehicle product for water and/or oil-soluble therapeutic substances. 3,331,742, 7–18–67, Cl. 167—82.
Babb, Burton A., to International Telephone and Telegraph Corp. High density packaging for electronic components. 3,305,706, 2–21–67, Cl. 317—101.
Babb, James W., L. Fussell, Jr., M. P. Mims, and H. E. Grier, to United States of America, Atomic Energy Commission. Cam operated magnetic switch. 3,307,005, 2–28–67, Cl. 200—153.
Babb, Richard C.: *See*—
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Babcock, Clarence L., to Owens-Illinois, Inc. Colored glasses and process of manufacture. 3,326,702, 6–20–67, Cl. 106—52.
Babcock, David L., to Eastman Kodak Co. Take-up reel for motion-picture projector. 3,298,625, 1–17–67, Cl. 242—71.8.
Babcock, Douglas C.: *See*—
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Babcock, Eugene W., and R. A. Vascik, to Libbey-Owens-Ford Co. Glass sheet support frame. 3,347,655, 10–17–67, Cl. 65—375.
Babcock, John C.: *See*—
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Babcock, John C., and J. A. Campbell, to The Upjohn Co. 7-methyltestosterones. 3,341,557, 9–12–67, Cl. 260—397.3.
Babcock, John C., and J. A. Campbell, to The Upjohn Co. 16 - methylene - 17*a* - hydroxy progesterones and derivatives thereof. 3,359,287, 12–19–67, Cl. 260—397.4.
Babcock, Leonard V., D. A. Massa, and R. H. Chlovarl, to Warwick Electronics Inc. Convergence yoke assembly with blue purity magnet and converge magnets adjustable from one direction. 3,349,268, 10–24–67, Cl. 313—77.
Babcock, Robert S. Card holder. 3,323,801, 6–6–67, Cl. 273—150.
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Ammon, Johannes H. 3,330,097.
Ammon, Johannes H. 3,360,037.
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Boe, Harvey A., and Kassner. 3,301,225.
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Taylor, Peter A., and Hawkins. 3,305,451.
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Babel, Louis, and P. Peytavin, to Societe Civile dite; Societe Civile d'Etudes de Centrifugation. Apparatus for effecting the continuous rotary casting of hollow steel blanks. 3,353,587, 11–21–67, Cl. 164—281.

Baber, Claude, to The Flexicore Co., Inc. Air pressure control for casting cores. 3,306,568, 2–28–67, Cl. 249—65.

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Babunovic, Momir, and V. M. Stapf, to Barry-Wehmiller Co. Separator apparatus for fluid entrained solids. 3,322,283, 5–30–67, Cl. 210—167.

Babushkin, Svjatoslav G., to Leningradskoje Objedinenije Optiko-Mekhanicheskikh. Control device for lens focal length variation and camera actuating. 3,328,114, 6–27–67, Cl. 352—140.

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Babylon, Richard H., to Frick Co. Shell and tube heat exchanger. 3,321,013, 5–23–67, Cl. 165—158.

Babylon, Richard H., to Frick Co. Aerosol probe. 3,321,726, 5–23–67, Cl. 338—34.

Bac, Fernand G. Quick release electrical connector. 3,295,868, 1–3–67, Cl. 285—27.

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Bach, Walter H. 3,320,371.
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Bach, Berg, G. C. Susong, and R. W. Harrold, to The Magnavox Co. Wire cutting and forming device. 3,336,954, 8–22–67, Cl. 140—105.

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English, Jackson P., Bach, and Gordon. 3,330,831.
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Bach, Ricardo O., to Lithium Corp. of America, Inc. Lithium oxide having active absorption capacity for carbon dioxide and method of preparing same. 3,321,277, 5–23–67, Cl. 23—184.

Bach, Richard E.: *See*—
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Bach, Robert D., to E. I. du Pont de Nemours and Co. Bowling ball. 3,353,825, 11–21–67, Cl. 273—63.

Bach, Walter H., to Bach Auricon, Inc. Battery adapter. 3,301,712, 1–31–67, Cl. 136—173.

Bach, Walter H., to Bach Auricon, Inc. Video tape recording apparatus utilizing transversely scanning erase and record heads. 3,320,371, 5–16–67, Cl. 179—100.2.

Bach, Walter H., and G. H. Koester, to Bach Auricon, Inc. Reverse polarity protection circuit. 3,313,995, 4–11–67, Cl. 320—25.

Bache, John K., and H. Aston, to George Salter and Co. Ltd. Compensator devices for improving the extension characteristics of coil extension springs. 3,326,545, 6–20–67, Cl. 267—61.

Bachelet, Albert E., to Bell Telephone Laboratories, Inc. Trunk group peg count totalizer. 3,324,241, 6–6–67, Cl. 179—8.6.

Bacher, Gottlob, and R. Barth, to Robert Bosch, G.m.b.H. Windshield wiper for vehicles. 3,320,628, 5–23–67, Cl. 15—250.36.

Bacher, Helmut: *See*—
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Bacher, Leo O., to McAx Corp. Insulated joint for panel walls. 3,353,318, 11–21–67, Cl. 52—403.

Bachhuber, Theodore J. Self-adjusting recrimping die for shotgun shell reloaders. 3,347,128, 10–17–67, Cl. 86—39.

Bachl, Herbert. Rotary fluid flow machine. 3,306,574, 2–28–67, Cl. 253—39.15.

Bachle, Carl F., to Continental Aviation and Engineering Corp. Cylinder head construction. 3,316,888, 5–2–67, Cl. 123—41.69.

Bachle, Carl F., and R. E. Carney, to Continental Aviation and Engineering Corp. Variable compression ratio piston and valve. 3,311,096, 3–28–67, Cl. 123—78.

Bachler, Marilyn J., L. A. Lindenfelser, and O. L. Shotwell, to United States of America, Agriculture. Almarcetin and its production by streptomyces albus. 3,332,847, 7–25–67, Cl. 167—65.

Bachler, Werner G., to Leybold Holding AG. Vacuum pump apparatus. 3,317,122, 5–2–67, Cl. 230—101.

Bachler, Werner G., and H. J. Forth, to Leybold Holding AG. Diffusion vacuum pump apparatus. 3,342,405, 9–19–67, Cl. 230—101.

Bachley, Peter V. Collapsible catamaran. 3,303,520, 2–14–67, Cl. 9—1.

Bachman, David H. Loose leaf notebook binder. 3,315,682, 4–25–67, Cl. 129—1.

Bachman, George S. Element for measurement of furnace wall thickness and temperature. 3,307,401, 3–7–67, Cl. 73—359.

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Bachman, Walter S., Jr., W. A. Erhardt, Jr., and E. V. Surprenant, to United-Carr Inc. Work movable mechanism. 3,331,544, 7–18–67, Cl. 226—147.

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Bachman, William S., S. C. Moore, H. M. Rollins, and W. R. Garrett, to Drilco Oil Tools, Inc. Well bore apparatus. 3,298,449, 1–17–67, Cl. 175—76.

Bachman, William S., L. K. Kosowsky, and J. W. Deaso, to Columbia Broadcasting System, Inc. Plasticizing apparatus with automatic temperature controlling means. 3,354,501, 11–28–67, Cl. 18—2.

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Bachmann, Ditmar, H. Gerstenberg, K. Grafen, and E. Pászthory, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for continuous preparation of condensation polymers. 3,337,508, 8–22–67, Cl. 260—75.

Bachmann, Emil H. Stand for optical instruments. 3,335,989, 8–15–67, Cl. 248—158.

Bachmann, Horst, to Maschinenfabrik Hasenclever A.G. Apparatus for the heading of elongated workpieces. 3,347,081, 10–17–67, Cl. 72—342.

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Bachmann, Marcel. Crane cable way for slopes with a single pulling and hoisting cable passing through the trolley. 3,311,243, 3–28–67, Cl. 212—87.

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Bachmann, William V., to Chrysler Corp. Swivel seat for motor vehicle. 3,322,458, 5–30–67, Cl. 296—65.

Bachmann, William V., to Chrysler Corp. Swivel seat for motor vehicle. 3,338,622, 8–29–67, Cl. 296—65.

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Bachus, Benson F., to Western Electric Co., Inc. Method of making cellular articles. 3,300,554, 1–24–67, Cl. 264—47.
Back, Frank G. Optical system for color television camera. 3,333,053, 7–25–67, Cl. 178—5.4.
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Backus, Alfred S., to Mycalex Corp. of America. Method and apparatus for assisting in the measurement of surface flatness. 3,325,904, 6–20–67, Cl. 33—174.
Backus, Owen F., and H. I. Morris, to United Aircraft Corp. Method of producing indicia-bearing surfaces. 3,317,318, 5–2–67, Cl. 96—36.
Bacon, Eldrid H. Carrier for use with vehicle seats. 3,295,887, 1–3–67, Cl. 297—188.
Bacon, Ernest N., to Nova Scotia Research Foundation. Fish product method of making. 3,301,686, 1–31–67, Cl. 99—111.
Bacon Felt Co.: *See*—
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Bacon, Henry S. Land vehicle provided with collision resistant safety features. 3,331,460, 7–18–67, Cl. 180—1.
Bacon, James R., to Burroughs Corp. Complex pattern generation apparatus. 3,325,802, 6–13–67, Cl. 340—324.
Bacon, James R., to Burroughs Corp. Tunnel diode associative memory. 3,332,067, 7–18–67, Cl. 340—172.5.
Bacon, James R., to Burroughs Corp. Photo-optical light pen and amplifier. 3,334,236, 8–1–67, Cl. 250—217.
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Bacon, Oliver M., to The Hunnewell Soap Co. Water treatment compositions and processes. 3,350,304, 10–31–67, Cl. 210—52.
Bacon, Roger, G. E. Cranch, R. O. Moyer, Jr., and W. H. Watts, to Union Carbide Corp. Process for manufacturing flexible carbonaceous textile material. 3,305,315, 2–21–67, Cl. 23—209.1.
Bacon, Roger J., to FMC Corp. Articulated vehicle with pivotable frame steering. 3,299,982, 1–24–67, Cl. 180—52.
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Bacon, Wilfred H., to Canadian Arsenals Ltd. Target feedback radar system. 3,303,498, 2–7–67, Cl. 343—7.5.
Bacon, Wilfred H., H. G. Byers, and M. Katchky, to Canadian Arsenals Ltd. Broadband linear slot antenna with impedance matching network. 3,303,505, 2–7–67, Cl. 343—771.
Bacon, William D., Jr., to General Electric Co. Electrical device with voltage limiting arrangement. 3,334,271, 8–1–67, Cl. 317—16.
Bacon, William E., to The Lubrizol Corp. Halogenation of pentavalent-phosphorus compounds-polyvalent metal halide complexes with polyhalomethanes. 3,305,570, 2–21–67, Cl. 260—448.
Bacon, William E., to The Lubrizol Corp. Process of preparing tertiaryaryl phosphine sulfides. 3,305,589, 2–21–67, Cl. 260—606.5.
Bacon, William E., and N. A. Meinhardt, to The Lubrizol Corp. Process for preparing phosphinates. 3,356,773, 12–5–67, Cl. 260—978
Bacroix, Marcel A., to Centre de Recherches de Pont-A-Mousson. Method and device for manufacturing metal tubes by helically coiling a sheet metal strip. 3,314,141, 4–18–67, Cl. 29—477.3.
Bacsanyi, Thomas: *See*—
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Bacskai, Robert, to Chevron Research Co. Copolymers of alpha-monoolefins and omega - halo - mono - alpha - olefins. 3,311,600, 3–28–67, Cl. 260—87.5.
Bacskai, Robert, to Chevron Research Co. Copolymers of 1-alkenes and 1-alkenes having an -N-substituent. 3,314,928, 4–18–67, Cl. 260—87.5.
Bacskai, Robert, to Chevron Research Co. Copolymerization with α,ω-dienes. 3,351,621, 11–7–67, Cl. 260—88.2.

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Bacso, Imre, and P. A. Diassi, to E. R. Squibb & Sons, Inc. 4α,8,14-trimethyl-18 nor-5α,8α,9β,13α,14β androstane-3,11, 16,17-tetrone. 3,347,879, 10–17–67, Cl. 260—397.3.
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Badalich, Frank C., to Bell & Howell Co. Slide projector support for rotary slide tray. 3,359,668, 12–26–67, Cl. 40—79.
Badcock, David N. W., to Kango Electric Hammers Ltd. Power-operated percussive tools. 3,334,693, 8–8–67, Cl. 173—109.
Baddour, Raymond F., to Avco Corp. Electrothermal process for producing acetylene and carbon black. 3,333,927, 8–1–67, Cl. 23—209.3.
Baddour, Raymond F., and A. S. Michaels, to Amicon Corp. Permeable membrane and method of making same for use in a paraxylene separation. 3,299,157, 1–17–67, Cl. 260—674.
Bade, Alfred G., to The Falk Corp. Speed reducer mounting assembly. 3,326,503, 6–20–67, Cl. 248—14.
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Muller, Heinz-Gert, and Bade. 3,317,201.
Bade, Heinz E.: *See*—
Möhrke, Walter, and Bade. 3,298,585.
Bade, Heinz E., to Joh. F. Behrens, Maschinenfabrik. Staple driving apparatus. 3,320,860, 5–23–67, Cl. 91—461.
Bade, Werner, and A. N. Seideman, to Pallam Development Corp. Container structure. 3,317,038, 5–2–67, Cl. 206—62.
Badelt, Robert L., to Collins Radio Co. Adjustable center tap resistor. 3,329,921, 7–4–67, Cl. 338—308.
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Bader, Alfred, B. E. Graham, and E. Reif, to Heidenheimer Chemisches Laboratorium. 2,2'-alkylenebisbenzimidazoles. 3,337,578, 8–22–67, Cl. 260—309.2.
Bader, Alfred R., to Aldrich Chemical Co., Inc. 6-ammoniopurinides. 3,310,561, 3–21–67, Cl. 260—252.
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Bader, Erich, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Polychloroprine adhesives. 3,333,025, 7–25–67, Cl. 260—880.
Bäder, Erich, and W. Sibenhorn, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the continuous polymerization of lower cyclic formaldehyde polymers. 3,299,003, 1–17–67, Cl. 260—67.
Bader, George, to General Cable Corp. Apparatus including capacitance means for measuring ionization in high voltage cable under conditions of heavy external interference. 3,346,808, 10–10–67, Cl. 324—54.
Bader, George, and G. S. Eager, Jr., to General Cable Corp. Cable insulation test apparatus including a fluid containing cylindrical test bushing having a plurality of electrodes and condenser stacks positioned along a pair of insulating tubes connecting the electrodes. 3,346,809, 10–10–67, Cl. 324—54.
Bader, Henry, to American Cyanamid Co. Method of preparing trisubstituted triazines. 3,344,137, 9–26–67, Cl. 260—240.
Bader, Howard E., to McDonnell Douglas Corp. Cargo handling system. 3,357,372, 12–12–67, Cl. 105—369.
Bader, I. Walton: *See*—
Bader, Maximilian and I. W. 3,309,719.
Bader, John. Hydrofoils and retraction mechanism therefor. 3,343,513, 9–26–67, Cl. 114—66.5.
Bader, John. Seaplane docking system. 3,354,855, 11–28–67, 114—43.5.
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Jefferies, Frederick W. 3,337,934.
Bader, Maximilian and I. W. Combination playpen crib and dressing table. 3,309,719. 3–21–67, Cl. 5—98.
Bader, Robert E., to York Instrument Corp. Plural source fluid metering assembly with discharge assistant for each source. 3,339,804, 9–5–67, Cl. 222—135.
Bader, Stephen. Belt grinding and polishing machine. 3,335,528, 8–15–67, Cl. 51—148.
Badertscher, Allen E. Filter cartridge for tobacco products. 3,304,944, 2–21–67, Cl. 131—267.
Badewitz, Charles J., to The Ryan Aeronautical Co. Terrain slope or pitch and roll computer. 3,337,867, 8–22–67, Cl. 343—7.
Badey, Paul E., and J. A. Oppel, to General Electric Co. High voltage electric circuit breaker with means or precisely coordinating the operation of widely spaced components. 3,350,519, 10–31–67, Cl. 200—48.
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Oelke, Waldemar W., Badger, Mambourg, and Mewbourne. 3,334,984.

Badger, Alfred E., and J. W. Herbert, to Libbey-Owens-Ford Glass Co. Apparatus for inhibiting upward rising bubbles in a molten metal bath. 3,334,983, 8–8–67, Cl. 65—182.
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Badger, George M. W., to Varian Associated. Phase shift beam tube neutralizer and modulator. 3,300,735, 1–24–67, Cl. 332—7.
Badger, George M. W., to Varian Associates. Electron tube with resonator tuning by deformation of an internal tubular member. 3,305,802, 2–21–67, Cl. 333—83.
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Badger, Joe G., and A. A. Valdettaro, to Sarkes Tarzian, Inc. Tuning mechanism for television tuners. 3,316,770, 5–2–67, Cl. 74—10.8.
Badger Meter Mfg. Co.: *See*—
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Kullmann, Donald J. 3,308,664.
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Knudsen, Raymond G., Badger, and Zuzinec. 3,347,075.
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Standiford, Ferris C., Jr. 3,356,125.
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Badgett, Roger B., to Teletype Corp. Tape supply cabinet. 3,333,687, 8–1–67, Cl. 206—52.
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Corbin, Ralph L., Kruger, and Badgley. 3,329,559.
Badgley, Durward B., to Swift & Co. Method and apparatus for testing tenderness. 3,308,654, 3–14–67, Cl. 73—81.
Badgley, Durward B., to Swift & Co. Apparatus for electrophoretic fractionation of ampholytes. 3,355,375, 11–28–67, Cl. 204—299.
Badia, Frank A., and G. N. Kirby, to The International Nickel Co., Inc. Copper-base alloy and castings thereof. 3,347,666, 10–17–67, Cl. 75—157.5.
Badini, John A., and E. F. Yery, to Western Electric Co., Inc. Soldering apparatus. 3,357,621, 12–12–67, Cl. 228—47.
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Beer, Ludwig, Brunnmueller, and Metzger. 3,324,180.
Berding, Christoph, Hofmann, Kastning, Von Kutepow, Naarmann, and Reis. 3,311,596.
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Bille, Heinz, Distler, Dittus, Mueller, and Ruettiger. 3,346,325.
Bock, Gustav. 3,336,328.
Braun, Willy, and Anton. 3,332,931.
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Braun, Willy, and Ruske. 3,313,830.
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Braun, Willy, and Ruske. 3,342,831.
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Corr, Hubert, Haarer, and Hornberger. 3,344,196.
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Daumiller, Guenther, Wilhelm, and Wegner. 3,314,901.
Dehnert, Johannes. 3,346,585.
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Dickhaeuser, Heiner, Pohlemann, Stummeyer, Adolphi, and Winderl. 3,297,520.
Diebold, Adolf, and Doerr. 3,332,860.
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Eischer, Adolf, Reicheneder, and Dury. 3,336,130.
Faulhaber, Gerhard, Voges, Penning, Wilhelm, and Goetz. 3,322,569.
Fikentscher, Hans, and Herrle. 3,324,064.
Finkenauer, Helmut, Seibert, Kohl, Luecke, and Schubert. 3,346,322.
Fischer, Diether, and Mueller. 3,329,613.
Freyschlag, Herwig, Pommer, and Reif. 3,347,930.
Friedenreich, Heinrich, and Erdmann. 3,350,119.
Friz, Hans, Reichert, and Wagner. 3,325,972.
Gehm, Robert, Kunde, and Mertes. 3,301,823.
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Gerloff, Ulrich, Jahn, and Goehre. 3,318,955.
Haarer, Erich, and Plass. 3,297,762.
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Honsberg, Werner, and Mueller. 3,347,769.
Honsberg, Werner, and Mueller. 3,354,071.
Huenig, Siegfried, and Luecke. 3,350,390.
Huenig, Siegfried, and Luecke. 3,359,290.
Janson, Alfons, and Poschmann. 3,353,909.
Jentzsch, Wolfgang, and Seefelder. 3,340,254.
Jockers, Kurt, Meier, Eberhardt, and Taglinger. 3,313,-595.
Kastning, Ernst-Guenther, Naarmann, Berding, and Reis. 3,296,220.
Kindler, Hubert, and Trieschmann. 3,297,768.
Kinkel, Klaus, Pfannmueller, Roder, Rotzoll, Tittel, Urban, and Zacher. 3,317,504.
Koenig, Karl-Heinz, Datow, Pommer, Jung, and Scholz. 3,301,902.
Koenig, Karl-Heinz, and Pommer. 3,305,550.
Krallmann, Reinhold. 3,311,444.
Kranz, Joachim, and Polster. 3,353,977.
Kuhn, Richard, and Trischmann. 3,340,256.
Kunde, Joachim, Wilhelm, Mertes, and Schwartz. 3,321,-447.
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Landgraf, Alfred, Moell, Kerber, Wodtcke, Ebenhoech, and Hupfer. 3,321,534.
Leuchs, Dieter. 3,297,679.
Leuchs, Dieter. 3,314,934.
Luetzel, Gerhard. 3,352,846.
Maahs, Paul, Matthies, and Wenger. 3,313,769.
Maier, Karl. 3,299,103.
Malmberg, Magnus. 3,360,250.
Merkel, Karl, Haarer, and Corr. 3,324,164.
Metzger, Horst, and Koenig. 3,332,995.
Metzger, Horst, and Pape. 3,346,618.
Metzger, Horst, and Urbach. 3,318,871.
Moeller, Hans. 3,350,381.
Mommsen, Ernst, Rosewicz, and Schoenmann. 3,304,217.
Mueller, Herbert. 3,297,712.
Naarmann, Herbert, and Kastning. 3,313,789.
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Nohe, Heinz, Palm, and Platz. 3,309,395.
Petri, Norbert, and Strehler. 3,350,393.
Pflueger, Richard. 3,297,808.
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Poschmann, Franz, Wolf, Marx, and Wilhelm. 3,323,980.
Raichle, Ludwig, Unterstenhoefer, and Trieschmann. 3,336,252.
Rauch, Konrad, and Scheidmeir. 3,303,108.
Rauschenbach, Rolf D., Meyer, Wintersberger, and Daumiller. 3,321,416.
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Reicheneder, Franz, and Dury. 3,317,530.
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Reicheneder, Franz, and Dury. 3,352,907.
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Reicheneder, Franz, Dury, and Fischer. 3,323,893.
Reicheneder, Franz, Dury, and Fischer. 3,326,660.
Reicheneder, Franz, Fischer, and Dury. 3,350,193.
Reicheneder, Franz, Winter, Fischer, and Dury. 3,341,317.
Reicheneder, Franz, Winter, Fischer, and Dury. 3,360,-357.
Rettig, August. 3,316,590.
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Sarnecki, Wilhelm. 3,356,753.
Sarnecki, Wilhelm, Nuerrenbach, and Reif. 3,356,700.
Scharff, Helmut, and Rosewicz. 3,329,070.
Schefczik, Ernst. 3,342,818.
Schefczik, Ernst. 3,356,672.
Schenk, Walter, Nienburg, and Dorschner. 3,320,303.
Schenk, Walter, Schiller, and Nienburg. 3,326,972.
Scheuerer, Guenter, and Dickhaeuser. 3,356,771.
Schmid, Karl, Stedefeder, John, Haeberle, Lautenschlager, and Trieschmann. 3,300,457.
Scholz, Heinrich, Strohmeyer, and Haarer. 3,324,179.
Schubert, Fritz, and Luecke. 3,314,994.
Schuster, Ludwig, and Raff. 3,347,918.
Seefelder, Matthias. 3,340,297.
Soenksen, Uwe, Bauer, Sanne, and Arnold. 3,350,340.
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Spormann, Walter, and Heinke. 3,305,307.
Stastny, Fritz, Unterstenhoefer, Graf, and Loeffler. 3,336,-184.
Steden, Franz, and Meyer. 3,332,888.
Steimmig, Anna, Koenig, Sanne, Pommer, and Stummeyer. 3,324,120.
Steinbrunn, Gustav, and Fischer. 3,346,576.
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Stilz, Walter, Pommer, Biczysko, and Fessmann. 3,321,-436.
Strohmeyer, Max, and Scholz. 3,329,715.
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Vescia, Michele, Schwindt, Dietrich, Perkuhn, Faulhaber, Wolf, and Wilhelm. 3,313,649.
Von Kutepow, Nikolaus, Seibt, and Meier. 3,346,608.
Von Schickh, Otto. 3,301,891.
Von Schickh, Otto, Winter, and Herrle. 3,329,560.
Weber, Heinz, Schneider, Winderl, and Flickinger. 3,326,-872.
Wegerich, Anton, Fuerst, Haarer, and Corr. 3,354,056.
Weidinger, Hans, Pommer, and Eilingsfeld. 3,326,750.
Weidinger, Hans, Wellenreuther, and Krallmann. 3,297,-695.
Weissauer, Hermann. 3,336,283.
Weitz, Hans M., Kroeper, Wagner, and Ritz. 3,344,198.
Windel, Hermann, and Pommer. 3,346,605.
Wisseroth, Karl, Pietsch, and Kastning. 3,350,376.
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Zuern, Ludwig, Mueller-Tamm, and Buchholz. 3,324,052.

Badowski, Walter. Shade roller fixture removing tool. 3,295,194, 1–3–67, Cl. 29—239.

Baecher, Bernard J., to United States of America, Navy. Three axis navigational apparatus. 3,310,986, 3–28–67, Cl. 74—5.34.

Baechli, George, to Lee-Norse Co. Belt tensioning apparatus. 3,303,925, 2–14–67, Cl. 198—208.

Baechtold, Robert L., to American Cyanamid Co. Water soluble envelope prepared from a graft polymer of alkyl acrylate on a polyvinyl alcohol/polyvinyl acetate co-polymer. 3,300,546, 1–24–67, Cl. 260—876.

Baeder, Donald L.: *See*—
Kelley, Joseph M., and Baeder. 3,320,155.

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Baehni, Thomas. 3,304,708.

Baehni, Thomas, to Baehni & Co. Electric wristwatch and electric power cell having electrode plates having one plate of projections fitting in apertures of another plate. 3,304,708, 2–21–67, Cl. 58—23.

Baehr, Hans-Dieter, to Kommanditgesellschaft Industrie-Bau Nord G.m.b.H. & Co. Outlet device for bunkers for bulk goods. 3,351,248, 11–7–67, Cl. 222—459.

Baehr, Michel. Method for forming plastic tube bottoms. 3,300,559, 1–24–67, Cl. 264—323.

Baehr, William H., B. J. Stein, and M. Weinberg, to United States of America, Navy. Power supply monitor and bus transfer switch. 3,337,742, 8–22–67, Cl. 307—64.

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Baer, Byron N., and W. C. Griffin, to Atlas Chemical Industries, Inc. Textile finish applicator. 3,347,207, 10–17–67, Cl. 118—33.

Baer, Donald G., A. S. Van Slyke, and R. C. Woofter, to General Motors Corp. Rectangular conductor harness means and attachments. 3,322,882, 5–30–67, Cl. 174—72.

Baer, Donald G., A. S. Van Slyke, and R. C. Woofter, to General Motors Corp. Rectangular conductor harness means and attachments. 3,329,785, 7–4–67, Cl. 200—68.

Baer, Erhardt, and K. Xylander. Process for purifying water using reforming of metal hydroxide flocculation agent. 3,347,786, 10–17–67, Cl. 210—45.

Baer, Hans. Window and frame structure. 3,360,030, 12–26–67, Cl. 160—101

Baer, Herman W., to Phillips Petroleum Co. Container inverter. 3,300,064, 1–24–67, Cl. 214—1.

Baer, James A.: *See*—
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Baer, James I. Material handling apparatus and the like. 3,343,864, 9–26–67, Cl. 294—99.

Baer, John, to Precision Specialties, Inc. Magnetic spring clutch assembly. 3,349,880, 10–31–67, Cl. 192—84.

Baer, John S., to Precision Specialties, Inc. Writing instrument. 3,326,189, 6–20–67, Cl. 120—42.03.

Baer, Josef, to Bucyrus-Erie Co. Collapsible wedge for cable connection. 3,335,470, 8–15–67, Cl. 24—126.

Baer, Karl, M. Decker, J. Schmidt, H. Sperber, and G. Leibner, to Badische Anilin- & Soda-Farbrik Aktiengesellschaft. Production of aliphatic dinitriles. 3,324,165, 6–6–67, Cl. 260—465.2.

Baer, Karl, H. Sperber, O. Goehre, and G. Leibner, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of catalysts or catalyst carriers in the form of hollow beads. 3,347,798, 10–17–67, Cl. 252—448.

Baer, Massimo, to Monsanto Co. Blends of polystyrene and a graft copolymer of a styrene-methyl methacrylate type mixture on a rubbery polymer of a conjugated 1,3-diene. 3,300,545, 1–24–67, Cl. 260—876.

Baer, Massimo, to Monsanto Co. Novel interpolymers. 3,313,-790, 4–11–67, Cl. 260—80.5.

Baer, Massimo, and E. H. Hankey, to Monsanto Co. Blends of vinyl chloride polymer and hydrocarbon elastomer containing graft copolymer as compatibilizer. 3,312,756, 4–4–67, Cl. 260—876.

Baer, Massimo, and E. H. Hankey, to Monsanto Co. Vinyl chloride polymers containing elastomer and graft copolymer as compatibilizer. 3,316,327, 4–25–67, Cl. 260—876.

Baer, Massimo, and M. J. Vignale, to Monsanto Co. Novel anionic polymers of certain insoluble crosslinked polymers of a pKa value of at least 10 and alkali and alkaline earth metals. 3,316,223, 4–25–67, Cl. 260—80.5.

Baer, Ralph H., to Sanders Associates, Inc. Indicator annouincing system. 3,320,604, 5–16–67, Cl. 340—266.

Baer, Ronald W.: *See*—
Lovell, James B., and Baer. 3,317,636.

Baer, Samuel. Nasal clamp. 3,349,771, 10–31–67, Cl. 128—325.

Baerman Max. Permanent magnet bearing. 3,326,610, 6–20–67 Cl. 308—10.

Baermann, Walter P., A. V. Cooke, and E. A. Peterson, to Medical Supply Co. Sheath package. 3,301,394, 1–31–67, Cl. 206—63.2.

Baertschi, Peter, H.-R. Von Gunten, and H.-E. Zust, to Zur Forderung der Forschung an der Edgenossischen Technischen Hochsctrle, Gesellschaft. Method for reprocessing fuel elements with fissionable material in carbide form which are spent in nuclear reactors. 3,316,065, 4–25–67, Cl. 23—324.

Bafford, Richard A.: *See*—
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Bafford, Richard A., to Koppers Co., Inc. Organic polybrominated peroxides. 3,304,332, 2–14–67, Cl. 260—610.

Baganoff, Frederick, to McDonnell Aircraft Corp. Analogue signal correlator. 3,358,231, 12–12–67, Cl. 324—83.

Bagby, John P., and R. C. Erdmann, to Hughes Aircraft Co. Process for making reflectors. 3,337,660, 8–22–67, Cl. 264—1.

Bagby, Lewis B., to E. I. du Pont de Nemours and Co. Yarn package. 3,301,506, 1–31–67, Cl. 242—166.

Bagby, Marvin O., and K. L. Mikolajczak, to United States of America, Agriculture. Alkali isomerization of crepenynic acid to 8,10,12-octadecatrienoic acid. 3,356,699, 12–5–67, Cl. 260—405.6.

Bagby, Percy R. Wire rope long splice and method of making. 3,356,397, 12–5–67, Cl. 287—78.

Bageman, James C., V. G. Bonessa, and N. M. Roe, to The Bada Co. Static balancing machine. 3,326,051, 6–20–67, Cl. 73—484.

Baget, Jean G., and P. Sarret, deceased (by M. Thouvent, legal representative), to Rhone-Poulenc S.A. Quinoline derivatives. 3,324,129, 6–6–67, Cl. 260—268.

Bagge-Lund, Einar, to Faskeridirektoratets Kjemisk-Tenkinske Forskningsinstitutt. Freezing of foodstuffs. 3,300,994, 1–31–67, Cl. 62—63.

Baggio, Raphael, and E. M. M. E. Voillaume, to American Bosch Arma Corp. Function computer. 3,324,282, 6–6–67, Cl. 235—61.6.

Baggs, Arthur E., Jr., to Polaroid Corp. Method and apparatus for manufacturing photographic products. 3,303,-077, 2–7–67, Cl. 156—108.

Bagguley, Robert D., to Pullman Inc. Combination pneumatic and gravity discharge hopper arrangement. 3,360,302, 12–26–67, Cl. 302—52.

Bagley, Alan S.: *See*—
Allen, Robert L., and Bagley. 3,320,546.

Bagley, George E., and W. F. Goodyear, Jr. Vinyl asbestos composition stabilized with melamine and rosin. 3,314,906, 4–18–67, Cl. 260—27.

Bagley, Harold R.: *See*—
Bateman, William H., and Bagley. 3,303,554.

Bagli, Jehan F., P. F. Morand, D. S. Irvine, C. Vezina, and K. Wiesner, to American Home Products Corp. Process for the preparation of equilin and intermediate obtained therein. 3,344,156. 9–26–67, Cl. 260—397.4.

Bagnard, Gus M., and K. J. Downs, to FMC Corp. Packing. 3,341,212, 9–12–67, Cl. 277—206.

Bagnasco, Gino, to Serge Elevator Co., Inc. Generator starter used in an elevator motor drive. 3,297,110, 1–10–67, Cl. 187—29.

Bagnetto, Lucien J., Jr., to Phillips Petroleum Co. Process for preparing a calcium-nickel phosphate catalyst. 3,298,-966, 1–17–67, Cl. 252—437.

Bagno, Samuel M.: *See*—
Joerren, Ernest A., and Bagno. 3,335,043.

Bagno, Samuel M., to Specialties Development Corp. Electrical power supply and battery charges. 3,308,306, 3–7–67, Cl. 307—66.

Bagnulo, Luigi, to Prochind S.p.A. Rigid pipe connection. 3,331,621, 7–18–67, Cl. 285—47.

Bagnulo, Luigi. Device for branching-off a secondary piping having a certain diameter, from a main pipe having any diameter. 3,331,622, 7–18–67, Cl. 285—198.

Bagwell, Calvin C., to Continental Oil Co. Method and apparatus for production well completion. 3,295,603, 1–3–67, Cl. 166—12.

Bagwell, Charles C., Jr., and E. R. Stewart, to Institute of Textile Technology. Tapered filling quill. 3,307,801, 3–7–67. Cl. 242—118.3.

Bagwell, Richard S., Jr., to Radio Corp. of America. Record player apparatus. 3,307,852, 3–7–67, Cl. 274—23.

Bahl, James M., and R. E. Haight, to Deere & Co. Hydraulic control valve. 3,349,670, 10–31–67, Cl. 91—412.

Bahlo, Klaus W., to Crompton & Knowles-Malimo, Inc. Multiply fabrics and method for making same. 3,327,501, 6–27–67, Cl. 66—192.

Bahls, Gene C.: *See*—
Dick, Lloyd C., McNutt, and Bahls. 3,357,553.

Bahls, Gene C., F. C. McNutt, R. E. Price, V. Zidell, and L. C. Dick, to Brown Co. Unitized sealed layer carton load. 3,348,673, 10–24–67, Cl. 206—65.

Bahlsen, Werner: *See*—
Bartels, Helmut. 3,338,619.
Beik, Hermann. 3,343,504.
Bahmuller, Wilhelm. Adjustable joint, especially for chairs, beds, cots, and the like. 3,304,107, 2–14–67, Cl. 287—99.
Bahnbaumaschinen, Franz Plasser, Messrs.: *See*—
Bick, Joseph A. 3,295,461.
Bahniuk, Eugene: *See*—
Acker, Richard C., and Bahniuk. 3,354,831.
Bahniuk, Eugene, to The Weatherhead Co. Torque motor. 3,311,858, 3–28–67, Cl. 335—230.
Bahniuk, Eugene, to The Weatherhead Co. Flow control valve. 3,339,573, 9–5–67, Cl. 137—85.
Bahniuk, Eugene, T. Budzich, and J. L. Thompson, to The Weatherhead Co. Hydraulic steering control. 3,320,745, 5–23–67, Cl. 60—52.
Bahniuk, Eugene, and J. L. Thompson, to The Weatherhead Co. Hydraulic steering system. 3,347,041, 10–17–67, Cl. 60—52.
Bahnsen, Erwin B., to Steiner American Corp. Towel dispensing apparatus. 3,323,848, 6–6–67, Cl. 312—38.
Bahnson, Agnew H., Jr.: *See*—
King, James F., Jr., and Bahnson. 3,348,363.
Bahnson, Agnew H., Jr., and J. F. King, Jr., to The Bahnson Co. Doffer-donner mechanism for spinning machines and the like. 3,318,078, 5–9–67, Cl. 57—53.
Bahnson Co., The: *See*—
Bahnson, Agnew H., Jr., and King. 3,318,078.
King, James F., Jr. 3,315,446.
King, James F., Jr., and Bahnson. 3,348,363.
King, James F., Jr., and Sloan. 3,321,896.
Bahout, Rene H. L., to Societe pour l'Equipement des Industries Chimiques-S.P.E.I. Chim.-Reunion des Anciens Etablissements Barbet, Egrot & Grange, Pingris & Mollet-Fontaine. Valve tray apparatus. 3,325,155, 6–13–67, Cl. 261—113.
Bahout, Rene H. L., to Societe pour l'Equipment des Industries Chimiques-S.P.E.I. Chim.-Reunion des Anciens Etablissements Barbet, Egrot & Grange, Pingris & Mollet Fontaine. Closure elements for plates for fluid exchange columns. 3,333,836, 8–1–67, Cl. 261—114.
Bahr, Donald W., to General Electric Co. Augmentation system for reaction engine using liquid fuel for cooling. 3,307,-355, 3–7–67, Cl. 60—39.71.
Bahr, Gunter F., O. H. Sackerlotzky, and E. H. Zeitler, to United States of America, Army. Electromagnetic actuating means for a shutter mechanism in an electron microscope. 3,359,418, 12–19–67, Cl. 250—49.5.
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Baker, James R., and E. H. Phelps, to American Cast Iron Pipe Co. Method of coating metal surfaces with polyethylene utilizing a polyethylene primes and articles produced thereby. 3,348,995, 10–24–67, Cl. 161—216.
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Baldwin, George D., and D. Sakuta, to Truck-Lite Co., Inc. Adjustable mounting for vehicle lights. 3,341,802, 9–12–67, Cl. 339—21.
Baldwin, George D., J. Spiteri, H. W. Grosser, and H. J. Collette, to Truck-Lite Co., Inc. Protective juncture box and releasable connector. 3,351,885, 11–7–67, Cl. 339—74.
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Baldwin, John B., to Thiokol Chemical Corp. Vacuum-attached gage for measuring strains in elastic, viscoelastic, and low-modulus plastic materials. 3,344,660, 10–3–67, Cl. 73—88.
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Rosin, Jacob. 3,334,139.
Baldwin, Philip S., ½ to Fiat Societa per Azioni. Master cylinder. 3,300,973, 1–31–67, Cl. 60—54.6.
Baldwin, Philip S., to Receipt-AG. Sealing ring for pistons slidably mounted in cylinders of hydraulic mechanisms. 3,336,033, 8–15–67, Cl. 277—78.
Baldwin, Richard F. Wood turning lathe attachment. 3,332,-458, 7–25–67, Cl. 142—7.
Baldwin, Robert S. : *See*—
Young, Vernon V., Hodge, and Baldwin. 3,323,998.
Baldwin, Roger A. : *See*—
Washburn, Robert M., and Baldwin. 3,311,646.
Washburn, Robert M., and Baldwin. 3,341,477.
Washburn, Robert M., and Baldwin. 3,341,478.
Baldwin, Samuel L. : *See*—
Franklin, John S., and Baldwin. 3,348,035.
Baldwin, Samuel L., to General Electric Co. Luminaire latching device. 3,297,865, 1–10–67, Cl. 240—147.
Baldwin, Walton B. : *See*—
Winkler, Albert H., Baldwin, and Morgan. 3,328,011.
Baldwin, William M., Jr., R. E. Cairns, Jr., H. G. Marsh, and R. E. Wilson, to E. I. du Pont de Nemours and Co. Dispersion hardened metal sheet and process. 3,346,427, 10–10–67, Cl. 148—11.5.
Baldwin, Samuel L. : *See*—
Franklin, John S., and Baldwin. 3,353,015.
Baldy, Maurice F., and D. T. Boughner, to United States Steel Corp. Method of treating steel and a novel steel product. 3,344,000, 9–26–67, Cl. 148—12.3.
Balenger, John W. : *See*—
Sarnoff, Stanley J., and Balenger. 3,326,215.
Sarnoff, Stanley J., and Balenger. 3,330,279.
Sarnoff, Stanley J., and Balenger. 3,348,545.
Bales, William H., to Rosemount Engineering Co., Ltd. Resistance thermometer and method of making the same. 3,334,-322, 8–1–67, Cl. 338—28.
Balestra, Carlo, to Nitrox S.A. Process for the preservation of foods with nitrous oxide. 3,335,014, 8–8–67, Cl. 99—150.
Balfour, Arthur J., and R. K. Brubaker, to Eaton Yale & Towne Inc. Drive mechanism. 3,313,180, 4–11–67, Cl. 74—711.
Balfour, Henry, and Co. Ltd. : *See*—
Johnston, James S. 3,316,958.
Baliguet, Michel P. : *See*—
Tissier, Roger H., Baliguet, and Stieglitz. 3,312,057.
Balikjian, Nishan. Automatic flushing system. 3,314,084, 4–18–67, Cl. 4—249.
Balinski, Henry A., to United States Gypsum Co. Structural member with an X configuration web. 3,349,535, 10–31–67, Cl. 52—634.
Balint, Andrew : *See*—
Smitzer, Louis A., Gawin, Balint, Porazinski, and Bielik. 3,354,774.
Balint, Andrew, to Bell & Howell Co. Pulse stretcher electric circuit. 3,351,820, 11–7–67, Cl. 317—148.5.
Balint, John, to George K. Garrett Co., Division of MSL Industries, Inc. 3,317,172, 5–2–67, Cl. 248—316.
Balint, John, to George K. Garrett Co. Electric wire-terminal spring clips. 3,340,497, 9–5–67, Cl. 339—217.
Balint, John V., to Minnesota Mining and Mfg. Co. Cap liner. 3,312,365, 4–4–67, Cl. 215—7.
Balk, Joseph : *See*—
Dickson, Edgar V., and Balk. 3,304,740.
Balke, Roy L., and R. S. Pearson, to General Electric Co. Dynamoelectric machine stators and method of making same. 3,330,977, 7–11–67, Cl. 310—214.
Ball Bros. Co. Inc. : *See*—
Doud, Wilbur O., and Cook. 3,301,382.
Giessler, Donald A. 3,356,625.
Lyon, Kenneth C., Pickard, and Scholes. 3,352,708.
Munford, Marvin S. 3,297,498.
Pickard, John E. 3,296,173.
Pickard, John E. 3,296,174.
Pickard, John E. 3,352,707.
Pickard, John E. 3,354,825.
Pickard, John E. 3,357,853.
Sadler, William S. 3,337,684.
Sherer, Abraham I., and Ruzicka. 3,296,142.
Ball Brothers Research Corp. : *See*—
Fogelberg, Clement V. 3,355,769.
Hackett, Kenneth R. 3,308,387.
Stacey, David S. 3,348,049.
Ball, Charles A. Staked aluminum shelves. 3,329,281, 7–4–67, Cl. 211—153.
Ball, Frank J., to West Virginia Pulp and Paper Co. Method of preparing lignin reinforced rubber and product. 3,312,-643, 4–4–67, Cl. 260—17.5.
Ball, Frederick M., and J. H. Davis, to Eastman Kodak Co. Cellulose acyl ester film-forming composition. 3,313,639, 4–11–67, Cl. 106—171.
Ball, Harry, and J. J. Thompson, to Technical Fabricators, Inc. Filter cartridge unit and porous filter element for use in connection therewith. 3,327,864, 6–27–67, Cl. 210—457.
Ball, James. Dredging method. 3,310,894, 3–28–67, Cl. 37—195.
Ball, John D., deceased (by V. D. Ball, executrix), F. J. Feagin, and M. C. Terry, to Esso Production Research Co. Seismic system using a slotted disc source producing a binary code. 3,307,649, 3–7–67, 181—.5.
Ball, John D., and C. J. Charske, to Esso Production Research Co. Seismic system with a radio communications link connecting the recording and shot stations. 3,316,996, 5–2–67, Cl. 181—.5.
Ball, John D., deceased by V. D. Ball, executrix, and J. B. Pearson, to Esso Production Research Co. Apparatus for measuring travel time of seismic waves from the earth's surface to a given depth in the earth. 3,319,221, 5–9–67, Cl. 340—15.5.
Ball, John D., and W. D. Mounce, to Esso Production Research Co. Apparatus for converting lineal seismogram sections into an areally presented seismogram. 3,327,287, 6–20–67, Cl. 340—15.5.
Ball, John E., to Air Reduction Co., Inc. Surface finish for continuous electrode. 3,321,944, 5–30–67, Cl. 72—46.
Ball, John F. Wire dispenser. 3,337,158, 8–22–67, Cl. 242—139.
Ball, John R., to Westinghouse Electric Corp. Computing device. 3,296,426, 1–3–67, Cl. 235—175.
Ball, Murray E. : *See*—
McKown, William L., and Ball. 3,322,073.
Ball, Murray E., W. L. McKown, and P. K. Zietlow, to General Mills, Inc. Cutting apparatus. 3,358,537, 12–19–67, Cl. 83—101.
Ball, Peter : *See*—
Foster, John, and Ball. 3,324,703.
Ball, Ralph, to The Thomas & Betts Co. Grounding sheath connector. 3,315,024, 4–18–67, Cl. 174—75.
Ball, Stanley, to Glaxo Group Ltd. Streptomyces derived antibiotics. 3,311,538, 3–28–67, Cl. 167—65.
Ball, Thomas Z., and E. G. Brown, to Atlas Chemical Industries, Inc. Method of blasting. 3,295,445, 1–3–67, Cl. 102—23.
Ball, Verna D. : *See*—
Ball., John D., Feagin, and Terry. 3,307,649.
Ball John D., and Pearson. 3,319,221.
Ballantine, James S. Tower. 3,302,345, 2–7–67, Cl. 52—121.
Ballantine, P., & Sons : *See*—
Sichler, Joseph E. 3,357,602.
Ballard, Carlos E. : *See*—
Keener, Russell W., De Marsh, and Ballard. 3,348,842.
Ballard, Charles U. Fluid system venting and filling. 3,299,-637, 1–24–67, Cl. 60—54.5.
Ballard, Delbert L. : *See*—
Jonker, Frederick, and Ballard. 3,340,385.
Ballard, Earcy L. Insect trap. 3,303,599, 2–14–67, Cl. 43—118.
Ballard, John H. : *See*—
Deering, Roland F., and Ballard. 3,342,193.
Ballard, John W. Dispensing package for medication. 3,303,-927, 2–14–67, Cl. 206—42.
Ballard, Robert G., to General Electric Co. Compensator for gyroscopic instrument. 3,319,475, 5–16–67, Cl. 74—5.43.
Ballard, Robert R. : *See*—
Musick, Richard O., Ballard, and Robertson. 3,323,386.
Ballard, Samuel S., to Sanders Associates, Inc. Seismic sonobuoy. 3,325,778, 6–13–67, Cl. 340—7.
Ballard, Samuel S., R. D. J. Proctor, and W. E. Barry, to Sanders Associates, Inc. Sonobuoy with depth selection capabilities. 3,309,649, 3–14–67, Cl. 340—2.
Ballard, Wade E., and R. H. Walpole, Jr., to Menardi & Co. Spacer rings for dust collector bags. 3,333,403, 8–1–67, Cl. 55—379.
Ballas, William E. Bookholder. 3,351,312, 11–7–67, Cl. 248—448.
Ballass, John T., B. J. Freedman, and J. C. Brodsky, to General Dynamics Corp. Welding flux. 3,340,103, 9–5–67, Cl. 148—26.
Ballass, John T., and B. J. Freedman, to General Dynamics Corp. Welding flux. 3,340,104, 9–5–67, Cl. 148—26.
Ballass, John T., and B. J. Freedman, to General Dynamics Corp. Welding flux. 3,340,105, 9–5–67, Cl. 148—26.
Ballass, John T., and B. J. Freedman, to General Dynamics Corp. Welding flux. 3,340,106, 9–5–67, Cl. 148—26.
Ballass, John T., and B. J. Freedman, to General Dynamics Corp. Welding flux. 3,340,107, 9–5–67, Cl. 148—26.
Balle, Walter, to Leonk-Herbert Maschinenfabrik. Vulcanizing press for vulcanizing vehicle tires. 3,337,917, 8–29–67, Cl. 18—17.
Ballenger, Robert J., and R. G. Schaefer, to Central Specialties Co. Flexible clothing clamp structure. 3,350,754, 11–7–67, Cl. 24—255.
Ballentine, James B., W. A. H. Huffman, and O. A. Pickett, to Monsanto Co. Modified polyamides having improved affinity for dyes. 3,304,289, 2–14–67, Cl. 260—78.
Baller, Albert H. Dispenser for generally cylindrical objects. 3,323,679, 6–6–67, Cl. 221—195.
Ballester, Claudio J. : *See*—
Krupick, Walter J., Hoffman, and Ballester. 3,327,538.
Ballester, Manuel, and J. Riera, to E. I. du Pont de Nemours and Co. Chlorinated aromatic free radicals and their preparation. 3,347,940, 10–17–67, Cl. 260—649.
Ballester, Manuel, J. Castaner, and J. Riera, to E. I. du Pont de Nemours and Co. Triphenyl methane free radicals and their preparation. 3,347,941, 10–17–67, Cl. 260—649.
Ballester, Manuel, J. Castaner, and J. Riera ; said Castaner and said Riera assors. to said Ballester. Perchlorinated hydrocarbon polymers and their preparation. 3,360,574, 12–26–67, Cl. 260—649.

Ballin, Gene. Collapsible tubes with follower and the method of filling thereof. 3,297,207, 1–10–67, Cl. 222—107.
Ballin, Gene. Infant feeding container and cap assembly. 3,339,771, 9–5–67, Cl. 215—11.
Ballini, Giuliano: *See*—
Portolani, Augusto, Ballini, Bujtar, Peri, and Fontani. 3,296,184.
Ballister, Thomas F. Lawn edge trimmer attachment. 3,322,-201, 5–30–67, Cl. 172—14.
Ballman, Albert A., R. C. Linares, Jr., and L. G. van Uitert, to Bell Telephone Laboratories Inc. Rare earth orthovanadate fluorescent materials. Re. 26,184, 4–4–67, Cl. 252—301.4.
Ballman, Albert A., R. A. Laudise, and D. W. Rudd, to Bell Telephone Laboratories, Inc., and Western Electric Co., Inc. Synthetic quartz growth. 3,356,463, 12–5–67, Cl. 23—301.
Ballmer, James E., to Bausch & Lomb Inc. Lens alignment means. 3,297,392, 1–10–67, Cl. 350—178.
Balloffet, Germaine: *See*—
Romand, Jacques, Vodar, and Balloffet. 3,317,786.
Ballots, Paul: *See*—
Simpson, Donald C., and Ballots. 3,322,111.
Simpson, Donald C., and Ballots. 3,356,008.
Simpson, Donald C., and Ballots. 3,356,009.
Ballreich, Kurt: *See*—
Stadler, Hans, Ballreich, and Gawlick. 3,348,985.
Balls, Edmond. Portable ranges. 3,354,878, 11–28–67, Cl. 126—275.
Balluff, Robert N.: *See*—
Lentz, Ervin C., Bonner, and Balluff. 3,295,313.
Bally, Adrianus P., and A. G. Van Nes, to Shell Oil Co. Method of separating acidic components from gaseous mixtures. 3,338,664, 8–29–67, Cl. 23—2.
Bally, Alexander O., to Corning Glass Works. Filter and method for its production. 3,346,121, 10–10–67, Cl. 210—493.
Bally, Alexander O., and D. J. S. Wardale, to Corning Glass Works. Gas-fired radiant burner. 3,299,938, 1–24–67, Cl. 158—7.5.
Bally Case and Cooler, Inc.: *See*—
Melcher, George W. 3,353,314.
Balmer, Hansjorg, and R. J. Gasparac, to Nordberg Mfg. Co. Frame for gyratory crushers. 3,302,896, 2–7–67, Cl. 241—285.
Balmer, Hansjörg, and R. J. Gasparac, to Nordberg Mfg. Co. Adjusting mechanism for gyratory crushers. 3,325,108, 6–13–67, Cl. 241—290.
Balmer, James G., Jr., and R. G. Plantholt, to Xerox Corp. Xerographic plate. 3,350,203, 10–31–67, Cl. 96—1.5.
Balmer, Thomas A., L. P. Normand, Jr., and B. G. Hurst, to Gulf Coast Machine & Supply Co. Underwater wellhead assembly having passages closeable by a sleeve valve. 3,324,-951, 6–13–67, Cl. 166—87.
Balocca, Alfred E., and R. L. Joosten, to American Can Co. Container with easy-open end. 3,302,818, 2–7–67, Cl. 220—53.
Balocca, Alfred E., and A. P. Zundel, to American Can Co. Plastisol coatings for easy-open container ends. 3,308,986, 3–14–67, Cl. 220—53.
Balocca, Alfred E., and R. L. Joosten, to American Can Co. Laminate with severable portion. 3,355,059, 11–28–67, Cl. 220—53.
Balog, Karl J.: *See*—
Hunyar, Csaba K., and Balog. 3,301,815.
Balog, Leonard J., to United States of America, Atomic Energy Commission. Pressure-tube nuclear reactor including fuel assembly with thermal baffle. 3,309,280, 3–14–67, Cl. 176—61.
Balogh, Stephen, to Parker-Haninfin Corp. Filter-dryer. 3,347,-387, 10–17–67, Cl. 210—266.
Balogh, Stephen, to Parker-Hannifin Corp. Dryer with improved desiccant compressing spring. 3,348,692, 10–24–67, Cl. 210—266.
Baloghy, James T. Phonographic arm and mounting means. 3,297,830, 1–10–67, Cl. 179—100.4.
Balsa Ecuador Lumber Corp.: *See*—
Lippay, Alexander. 3,298,892.
Balsam, Maurice M. Press for stamping frames of a handbag or the like. 3,335,599, 8–15–67, Cl. 72—413.
Balsley, Henry B. Metal make-ready blanket. 3,340,805, 9–12–67, Cl. 101—407.
Balster, Frederick W., to Tung-Sol Electric Inc. Tandem master cylinder. 3,355,887, 12–5–67, Cl. 60—54.6.
Baltakis, Frank P., to United States of America, Navy. Rapid response pressure transducer. 3,337,844, 8–22–67, Cl. 340—10.
Baltakmens, Gotlibs, and J. P. Tourish, to Allied Chemical Corp. Electrolytic production of metallic fluoborates. 3,300,397, 1–24–67, Cl. 204—94.
Baltazzi, Evan, to Nalco Chemical Co. Alkyd resins with herbicidal properties. 3,343,941, 9–26–67, Cl. 71—85.
Baltensperger, Paul, to Brown, Boveri & Cie, Aktiengesellschaft. Gas blast circuit breaker with nozzle formed contacts and control for associated gas outlet valves. 3,310,-648, 3–21–67, Cl. 200—148.
Balther Farms Equipment Mfg., Ltd.: *See*—
Balthes, John, Jr. 3,310,090.
Balthes, John, Jr., to Balther Farm Equipment Mfg., Ltd. Carrying bin for agricultural machine. 3,310,090, 3–21–67, Cl. 150—51.
Balthrope, Otis: *See*—
Van Dyke, William E., and Balthrope. 3,316,562.
Baltimore Concrete Plank Corp.: *See*—
Hart, Wayne C. 3,341,176.
Baltimore Spice Co., The: *See*—
Meusel, Jerome A., and Brunn. 3,359,120.
Balton, James A.: *See*—
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Baltzer, Otto J., to United States of America, Navy. Radar system for determining the relative direction of two objects moving in space. 3,328,794, 6–27–67, Cl. 343—7.
Baltzly, Richard, and N. B. Mehta, to Burroughs Wellcome & Co. (U.S.A.) Inc. 2,5-dialkoxy-α-tertiary amino propiophenones and salts thereof. 3,317,604, 5–2–67, Cl. 260—570.5.
Baluteau, Jean-Michel, to Societe d'Optique et de Mecanique de Haute Precission. Optical system of variable focal length having three consecutive movable elements. 3,316,051, 4–25–67, Cl. 350—43.
Balve, Robert, to Balve, Robert and Feidt, Alphonse. Rotary blade piston engine. 3,323,501, 6–6–67, Cl. 123—16.
Balzer, Norbert R., to The Ohio Crankshaft Co. Apparatus for hardening the axial end of a workpiece. 3,337,200, 8–22–67, Cl. 266—6.
Bambenek, Robert A.: *See*—
Zeff, Jack D., Bambenek, and Tomsic. 3,295,223.
Zeff, Jack D., Bambenek, and Tomsic. 3,337,420.
Bamberger, Steven H., and M. O. Rudd. Rear view automotive periscope utilizing toris mirrors. 3,353,893, 11–21–67, Cl. 350—55.
Bambra, Allan, and R. D. Bunker, to National Gypsum Co. Loading and packaging apparatus. 3,342,016, 9–19–67, Cl. 53—249.
Bamburg, Robert A., to Olin Mathieson Chemical Corp. Container. 3,307,769, 3–7–67, Cl. 229—45.
Bamford, J. C. (Excavators) Ltd.: *See*—
Bamford, Joseph C. 3,300,061.
Kelly, Alec J. 3,313,431.
Bamford, Joseph C., to J. C. Bamford (Excavators) Ltd. Mast. 3,300,061, 1–24–67, Cl. 212—144.
Bamford, William R., to Imperial Chemical Industries Ltd. Production of trioxane. 3,325,513, 6–13–67, Cl. 260—340.
Bamford, William R., and H. M. D. McCaa, to Imperial Chemical Industries Ltd. Curing process for epoxy resins. 3,344,-117, 9–26–67, Cl. 260—47.
Bammesberger, Karl: *See*—
Winkler, Alfred, and Bammesberger. 3,356,311.
Winkler, Alfred, Engelsmann, Landbrecht, and Bammesberger. 3,354,803.
Ban, Thomas E., to McDowell-Wellman Engineering Co. Conditioner for premoistening dry powders. 3,295,838, 1–3–67, Cl. 259—2.
Ban, Thomas E., to McDowell-Wellmann Engineering Co. Basic oxygen steel making process. 3,301,662, 1–31–67, Cl. 75—52.
Ban, Thomas E., to McDowell-Wellman Engineering Co. Circular traveling grate machine. 3,302,936, 2–7–67, Cl. 263—28.
Ban, Thomas E., to McDowell-Wellman Engineering Co. System for producing carbonized and pre-reduced iron ore pellets. 3,304,168, 2–14–67, Cl. 75—3.
Ban, Thomas E., to McDowell-Wellman Engineering Co. Travelling grate method for the recovery of oil from oil bearing minerals. 3,325,395, 6–13–67, Cl. 208—9.
Ban, Thomas E., to McDowell-Wellman Engineering Co. Method of making light-weight aggregate from fly ash. 3,328,-180, 6–27–67, Cl. 106—41.
Ban, Thomas E., to McDowell-Wellman Engineering Co. Manufacture of expanded shale. 3,328,187, 6–27–67, Cl. 106—288.
Ban, Thomas E., to McDowell-Wellman Engineering Co. Metallized pellets. 3,333,951, 8–1–67, Cl. 75—3.
Ban, Thomas E., C. D. Thompson, and C. J. Nelson, to McDowell-Willman Engineering Co. Iron-containing flux material for steel making process. 3,311,465, 3–28–67, Cl. 75—5.
Ban, Thomas E., C. D. Thompson, and C. J. Nelson, to McDowell-Wellman Engineering Co. Iron-containing flux material for steel making process. 3,313,617, 4–11–67, Cl. 75—5.
Banas, Henry C., to Douglas, McDonnell, Corp. Emergency opening latch. 3,338,609, 8–29–67, Cl. 292—21.
Banasiewicz, Henryk, and A. Fern, to Joseph Lucas (Industries) Ltd. A.C. transistor amplifiers for D.C. bias controlled stabilization. 3,331,029, 7–11–67, Cl. 330—25.
Banasky, Louis B.: *See*—
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Banaszak, Lloyd J., and M. Perez, Jr., to Honeywell Inc. Airborne vehicle with vortex valve controlled by linear accelerometer to compensate for variations in aerodynamic drag. 3,325,121, 6–13–67, Cl. 244—3.22.
Banbury Mfg. Corp.: *See*—
Warfel, Richard M. 3,307,869.
Bancel, Guy H. Ski-lift pulley arrangements. 3,339,497, 9–5–67, Cl. 104—197.
Banchieri, Giuseppe. Electric synchronous machine, with rotor conductors directly cooled by a liquid. 3,320,447, 5–16–67, Cl. 310—54.
Bancraft, Joseph & Sons Co.: *See*—
Russo, Carl J., and Shattuck. 3,327,368.
Shattuck, Ewart H. 3,325,873.
Bancroft, Frank, Co., Inc.: *See*—
Knauer, Arthur R., and Stinson. 3,314,410.
Bancroft, George H., to The Bendix Corp. Diffusion pump. 3,355,093, 11–28–67, Cl. 230—101.

Bancroft, James E., to Allied Control Co. Inc. Filament tension monitoring devices. 3,343,008, 9–19–67, Cl. 307—119.
Bancroft, Joseph, & Sons Co.: *See*—
Cabello, Charles R. 3,332,126.
Hodges, James R., and Zeis. 3,353,240.
Hodges, James R., and Zeis. 3,353,767.
Prosceno, Harry A., Schrader, and Zeis. 3,353,241.
Russo, Carl J. 3,316,609.
Shrader, Victor H. 3,353,242.
Bandemer, George J., and C. E. Draper, to United States of America, Air Force. Adjustable spherical curvature correction device. 3,349,492, 10–31–67, Cl. 33—20.
Bander, Alfred: *See*—
Muth, Karl, Bander, and Ruschig. 3,328,414.
Bander, Otto-Erich: *See*—
Riemenschneider, Wilhelm, Dialer, Probst, and Bander. 3,301,905.
Banderas, Luis P., L. S. and J. S. Cohen, and S. J. Cazares. Plastic filter for cigarettes. 3,318,316, 5–9–67, Cl. 131—187.
Banderet, Francis H. Self-steering and self-propelled farm vehicle. 3,343,501, 9–26–67, Cl. 104—244.1.
Bandini, Pier G. B. B., and N. Cristiani. Rotatable vehicle body to facilitate entry and exit. 3,325,180, 6–13–67, Cl. 280—29.
Bandlow, Frederick H., to Broan Mfg. Co., Inc. Blower. 3,358,911, 12–19–67, Cl. 230—114.
Bandura, James, H. A. Nelson Holland, H. M. McCall, and G. J. Gendron, to Raymond International Inc. Cutting metal tubing. 3,332,675, 7–25–67, Cl. 266—23.
Bandy, Peter B., to International Business Machines Corp. Apparatus for connecting a multi-channel data processor with a plurality of telephone lines. 3,299,210, 1–17–67, Cl. 179—2.
Bane, Arthur. Collapsible ampoules. 3,340,869, 9–12–67, Cl. 128—2.
Baney, George J., and W. W. Rasmussen, to Victor Mfg. & Gasket Co. Apparatus for molding fluid seal elements. 3,315,316, 4–25–67, Cl. 18—36.
Baney, Ronald H., to Dow Corning Corp. Silanol condensation using tetracyanoethylene as a catalyst. 3,304,271, 2–14–67, Cl. 260—2.
Baney, Ronald H., to Dow Corning Corp. Iodine as a polymerization catalyst for certain silazanes and siloxanes. 3,355,475, 11–28–67, Cl. 260—448.2.
Bang, Milton A., to King-Seeley Thermos Co. Door and track assembly. 3,350,152, 10–31–67, Cl. 312—323.
Bang, Mogens W., to Union Carbide Corp. Semiconductor devices comprising mounted whiskers. 3,302,077, 1–31–67, Cl. 317—235.
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Beyvl, Joseph M. 3,305,225.
Bangasser, James E., and R. E. Woodcock, to Caterpillar Tractor Co. Engine enclosure. 3,358,787, 12–19–67, Cl. 180—69.
Bange, Joseph B., and T. R. Laven, to The Western States Machine Co. Mounting arrangement for basket of centrifugal. 3,333,707, 8–1–67, Cl. 210—365.
Bangert, Ernest C., ½ to A. H. Lowers. Mechanism for separating the sheets of a manifold form. 3,357,616, 12–12–67, Cl. 225—100.
Bangerter, Kenneth R., and H. S. Bennett, to Ingersoll-Rand Co. Fastener holding power tool. 3,323,394, 6–6–67, Cl. 81—52.3.
Banghart, Laurence E.: *See*—
Norman, Robert H., and Banghart. 3,308,286.
Bangs, John R. Structural assembly for the prevention of thermal leakage. 3,332,170, 7–25–67, Cl. 49—400.
Bangstick Corp.: *See*—
Belcher, Gary L., Schroeder, and Starck. 3,300,888.
Banhidy, Detre M. G.: *See*—
Williams, Harrison L., and Banhidy. 3,302,346.
Baniel, Avraham M.: *See*—
Alon, Alexander, Blumberg, and Baniel. 3,311,450.
Baniel, Avraham M., and R. Blumberg, to Israel Mining Industries for Research and Development. Process for the recovery of phosphoric acid from aqueous reaction mixtures produced by the decomposition of tricalcium phosphate with hydrochloric acid. 3,304,157, 2–14–67, Cl. 23—165.
Baniel, Avraham M., R. Blumberg, and A. Alon. Process for preparation of substantially pure phosphoric acid. 3,338,-674, 8–29–67, Cl. 23—165.
Banjavich, Mark P. Diving bell and decompression vessel combination and improved method for handling diving personnel. 3,323,312, 6–6–67, Cl. 61—69.
Bank, Herbert, and P. H. Carter, to Maryland Cup Corp. Container. 3,342,609, 9–19–67, Cl. 99—137.
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Banks, Alma G.. Tent structure. 3,326,225, 6–20–67, Cl. 135—14.
Banks, Charles K., to Continental Oil Co. Bridle guard for use in oil well pumping equipment. 3,320,820, 5–23–67, Cl. 74—108.
Banks, Charles T., to Kimberly-Clark Corp. Papermaking machine. 3,312,324, 4–4–67, Cl. 198—25.
Banks, Clarence K., to M & T Chemicals Inc. Process for preparing organotin halides. 3,297,732, 1–10–67, Cl. 260—429.7.
Banks, Clarence K., to M & T Chemicals Inc. Novel plating process and composition. 3,338,725, 8–29–67, Cl. 106—1.
Banks, George W. High pressure valve having soft seating and balanced seal. 3,318,577, 5–9–67, Cl. 257—332.
Banks, Hampden O., Jr., E. T. Teatum, and I. R. Jones, to United States of America, Atomic Energy Commission. Radioisotope thermoelectric apparatus and fuel form. 3,347,-771, 10–17–67, Cl. 136—202.
Banks, James R., to Encore Mfg. Corp. A-C power control circuit having a trigger means with a voltage breakdown device connected to the base of a unijunction transistor. 3,348,131, 10–17–67, Cl. 323—22.
Banks, Paul B., R. A. Fuessle, and J. G. McCarrell, to Western Electric Co. Methods of and apparatus for making wound capacitors. 3,339,252, 9–5–67, Cl. 29—25.42.
Banks, Robert L., to Phillips Petroleum Co. Conversion of propane to diisopropyl. 3,321,547, 5–23–67, Cl. 260—683.47.
Banks, Robert L., to Phillips Petroleum Co. Selective polymerization of isobutene. 3,340,319, 9–5–67, Cl. 260—677.
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Banks, Waldo H., and H. Haagsma, to Draper Corp. Bobbin guiding grate. 3,298,166, 1–17–67, Cl. 57—53.
Banks, Waldo H., and L. P. Authier. Yarn control mechanism. 3,300,960, 1–31–67, Cl. 57—953.
Banks, William B., to Automatic Products, Inc. Apparatus for calibrating a measuring apparatus. 3,310,974, 3–28–67, Cl. 73—1.
Banks, William B., to Automation Products, Inc. Apparatus for measuring density. 3,320,791, 5–23–67, Cl. 73—32.
Banks, William B., to Automation Products, Inc. Mass presence sensing apparatus. 3,339,400, 9–5–67, Cl. 73—32.
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Banks, William J. Harness. 3,326,430, 6–20–67, Cl. 224—5.
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Banks, William P., to Continental Oil Co. Method of washing caverns in salt formation. 3,326,606, 6–20–67, Cl. 299—5.
Bankston, Weldon S., Jr., to Hi-Shear Corp. Safetied ordnance device. 3,344,744, 10–3–67, Cl. 102—28.
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Banning, Thomas A., Jr. Subscription television system using phase inverted video signals. 3,310,624, 3–21–67, Cl. 178—5.1.
Banning, Thomas A., Jr. Radio and television operation. 3,330,906, 7–11–67, Cl. 178—5.4.
Banning, Thomas A., Jr. Pay television employing interfering sound signal. 3,336,439, 8–15–67, Cl. 178—5.6.

Banning, Thomas A., Jr. Stereoscopic television including means to select either three dimensional or two dimensional reception. 3,358,079, 12–12–67, Cl. 178—6.5.
Banning, Thomas A., Jr., and E. L. Ranseen, deceased (by A. J. Ranseen, executrix), to T. A. Banning, Jr. Transverse scan magnetic recording using a cathode ray tube recording means. 3,351,718, 11–7–67, Cl. 179—100.2.
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Bannister, Brian, and H. Hoeksema, to The Upjohn Co. D-erythro-D-galacto-octopyranose derivatives. 3,337,527, 8–22–67, Cl. 260—210.
Bannister, Brian, and H. Hoeksema, to The Upjohn Co. Mercaptals of 6-amino-6,8-dideoxy-D-erythro-D-galacto-aldehydo-octose and N-acyl derivatives. 3,346,635, 10–10–67, Cl. 260—558.
Bannister, Clyde E. Method and apparatus for exploration of the water bottom regions. 3,353,612, 11–21–67, Cl. 175—6.
Bannister, Eric, J. Biggs, S. H. Coulson, J. Greenwood, and R. L. Zapp, to Esso Research and Engineering Co. Composition comprising chlorinated butyl rubber and a curing system. 3,342,789, 9–19–67, Cl. 260—79.5.
Bannister, Georgei I., to Lear Siegler, Inc. Method of making a rod end bearing. 3,358,347, 12–19–67, Cl. 29—149.5.
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Banno, Isao, T. Iijima, T. Hasegawa, S. Igarasi, A. Imada, I. Nogami, I. Suhara, M. Yoneda, and E. Ohmora, to Takeda Chemical Industries, Ltd. Method for producing purine derivatives. 3,298,923, 1–17–67, Cl. 195—28.
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Bapseres, Pierre, and M. Biensan, to Societe Nationale des Petroles d'Aquitaine. Process for the preparation of organic disulphides. 3,314,999, 4–18–67, Cl. 260—608.
Bapseres, Pierre, B. Audouze, J. Signouret, and J. Ourgaud, to Societe Nationale. Liquid polyethioformaldehydes and production thereof. 3,326,982, 6–20–67, Cl. 260—609.
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Baque, Pierre, R. Darras, and P. Koch, to Commissariat al'Energie Atomique. Process for cladding uranium rods. 3,352,004, 11–14–67, Cl. 29—474.3.
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Baran, John S., to G. D. Searle & Co. 3-oxygenated-13β-alkyl - 16 - oxagona - 1,3,5(10)-trien-17-ones, D-homo compounds corresponding, derivatives thereof, and intermediates thereto. 3,312,717, 4–4–67, Cl. 260—343.2.
Baran, John S., to G. D. Searle & Co. (Optionally 17-hydrocarbon-substituted) 11,13β-dialkylgon-4-en-3-ones and esters corresponding. 3,325,520, 6–13–67, Cl. 260—397.45.
Baran, John S., to G. D. Searle & Co. 13β-alkyl-11-alkylgona-1,3,5(10)-trien-17-ones, ethers and esters thereof. 3,346,602, 10–10–67, Cl. 260—397.45.
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Baranauckas, Charles F., and J. J. Hodan, to Hooker Chemical Corp. Process for oxidation of secondary esters of phosphorous acid to primary and secondary esters of phosphoric acid. 3,333,030, 7–25–67, Cl. 260—985.
Baranauckas, Charles F., and A. W. Frank, to Hooker Chemical Corp. Preparation of phosphorus compounds containing a phosphoryl group. 3,340,333, 9–5–67, Cl. 260—985.
Baranauckas, Charles F., and A. W. Frank, to Hooker Chemical Corp. Preparation of phosphorus compound containing fluorine. 3,349,151, 10–24–67, Cl. 260—986.
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Barat, Sisir K., to Council of Scientific and Industries Research. Processing of raw intestines. 3,346,401, 10–10–67, Cl. 99—175.
Baratoff, Paul, N. F. Kfoury, and B. Y. K. Mui, to Korfund Dynamics Corp. Spherical type of all-directional frictional damper. 3,348,796, 10–24–67, Cl. 248—20.
Barbagallo, Charles J., and E. S. Fabiszewski, to Honeywell Inc. Digital data processing conversion and checking apparatus. 3,308,437, 3–7–67, Cl. 340—172.5.
Barbaras, Glen D., H. E. Cupery, and D. J. Loder, to E. I. du Pont de Nemours and Co. Herbicidal composition. 3,297,425, 1–10–67, Cl. 71—2.6.
Barbashev, Eduard V., L. A. Juditskaya, and V. F. Vorobjev, to Vsesouzny Nauchno-Issledoratelsky Institute Elecktromekhaniki. Liquid cooling of generator rotor windings. 3,296,470, 1–3–67, Cl. 310—54.
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Barbato, Alexander L., and T. S. Dewoody, to Diamond Alkali Co. Electrolysis of concentrated sea water. 3,329,595, 7–4–67, Cl. 204—99.

Barbato, Robert E., M. H. Eargle, J. R. McEowen, D. W. Trent, and G. W. Wells, to Bell Telephone Laboratories, Inc. Multichannel intercom system with common signaling channel. 3,342,944, 9–19–67, Cl. 179—18.
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Barber, Alfred W., to Forbro Design Corp. Bridge controlled power supply. 3,303,415, 2–7–67, Cl. 323—9.
Barber, Alfred W. Transistor checker using alternating line current in phase between emitter and base and emitter and collector for testing power transistors. 3,332,015, 7–18–67, Cl. 324—158.
Barber, Beno, and K. W. Gross, to Sperry Rand Corp. Electrical conversion of transient vector signals for recorder application. 3,312,932, 4–4–67, Cl. 340—6.
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Barber, Ronald B., to General Electric Co. Safety means for oven door latching mechanism. 3,313,918, 4–11–67, Cl. 219—412.
Barber, Ronald B., to Neptune Meter Co. Gas and liquid separating apparatus. 3,359,708, 12–26–67, Cl. 55—170.
Barber, Ronald O., to The Magnavox Co. Percussion tone generating device. 3,306,969, 2–28–67, Cl. 84—1.24.
Barber, Theodore C. Airplane construction. 3,330,501, 7–11–67, Cl. 244—47.
Barber, Thomas R. Combined lawn mower and edger. 3,304,700, 2–21–67, Cl. 56—25.4.
Barber, William A., to American Cyanamid Co. Fuel cell electrodes comprising catalyst mixture of silver and mercury. 3,318,736, 5–9–67, Cl. 136—86.
Barber, William A., to American Cyanamid Co. Method for preparing electrode from paste containing non-noble metal formate and mineral oil. 3,338,751, 8–29–67, Cl. 136—120.
Barber, William A., to American Cyanamid Co. Fuel cell electrolyte matrix. 3,342,642, 9–19–67, Cl. 136—86.
Barber, William A., and R. G. Haldeman, to American Cyanamid Co. Process for preparing catalyst support and product thereof. 3,297,490, 1–10–67, Cl. 136—122.
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Barber, William A., and N. T. Woodberry, to American Cyanamid Co. Fuel cell containing a metallized paper electrode. 3,328,205, 6–27–67, Cl. 136—86.
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Barbour, William P., and Y.-J. Hu, to Farrington Business Machines Corp. Traveling cylinder printing device. 3,358,597, 12–19–67, Cl. 101—269.
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Barbu, Richard J., to Markbar Corp. Meat press. 3,344,467, 10–3–67, Cl. 17—38
Barbuti, Renzo, to Karl Steiner S.p.A. Carriage for the conveyance of goods in bulk, chiefly intended for supermarkets and the like. 3,309,100, 3–14–67, Cl. 280—33.99.
Barch, Herbert W., and C. E. Valchar, to Pittsburgh Plate Glass Co. Method of press bending vertically supported glass sheets. 3,298,809, 1–17–67, Cl. 65—106.
Barch, Herbert W., and R. V. Posney, to Pittsburgh Plate Glass Co. Method of controlling heat application to glass to repair scored regions. 3,352,655, 11–14–67, Cl. 65—28.
Barchas, Myron: *See*—
Schwarcz, Morton, and Barchas. 3,345,295.
Barchenko, Arthur E. Electrical system. 3,307,078, 2–28–67, Cl. 317—99.
Barchet, Reinhold J., to Martin-Marietta Corp. Underwater loading of stores into water-based aircraft. 3,330,509, 7–11–67, Cl. 244—137.
Barchfeld, George F. Bracket arrangement. 3,355,133, 11–28–67, Cl. 248—236.
Barcita-Peruchena, Jose M. Feminine accessory receiving receptacles. 3,305,679, 2–21–67, Cl. 240—6.45.
Barclae, Anthony L., to Falcon Industries, Inc. Air vent device for sealed housings. 3,314,306, 4–18–67, Cl. 74—606.
Barclay, Denneth M.: *See*—
Negra, John S., and Barclay. 3,351,563.
Barclay, John L., and D. J. Hadley, to The Distillers Co. Ltd. Production of conjugated diolefines by oxidative dehydrogenation. 3,328,478, 6–27–67, Cl. 260—680.
Barclay, John L., E. J. Gasson, and D. J. Hadley, to The Distillers Co. Ltd. Production of unsaturated aliphatic nitriles. 3,340,291, 9–5–67, Cl. 260—465.3.
Barclay, John L., and E. J. Gasson, to The Distillers Co. Ltd. Production of conjugated diolefines. 3,346,659, 10–10–67, Cl. 260—680.
Barclay, Rodney, and R. C. Von Felten, to Memorex Corp. Combined reel and canister. 3,341,001, 9–12–67, Cl. 206—52.
Barclays Bank Ltd.: *See*—
Thomas, Basil A. 3,340,657.
Barcomb, James G., and E. T. Kozol, to International Business Machines Corp. Display system for a data processing unit. 3,323,119, 5–30–67, Cl. 340—324.
Barcroft, Francis T.: *See*—
MacPhail, Alexander C. B., Barcroft, and Milne. 3,297,574.
Barcus, Lester M., and J. F. Berry. Musical instrument utilizing piezoelectric transducer. 3,325,580, 6–13–67, Cl. 84—1.16.
Bard, Albert L., and W. B. Weed, to Armco Steel Corp. Apparatus for manufacturing treated grinding rods. 3,299,682, 1–24–67, Cl. 72—100.
Bard, C. R., Inc.: *See*—
Serany, Frank J., Jr., and White. 3,329,261.
White, Edward J., Serany, and Stern. 3,299,442.

Bard, Charleton C., to Eastman Kodak Co. Phosphorous and maleic acid buffers for ferricyanide photographic bleaches. 3,342,598, 9–19–67, Cl. 96—60.
Bard, Charleton C., and J. A. Larkin, to Eastman Kodak Co. Non-silver halide reducing sulfonamide buffers for photographic developing solutions. 3,305,364, 2–21–67, Cl. 96—66.4.
Bard, Harry R., to American Can Co. End closure construction for reclosure type containers. 3,338,465, 8–29–67, Cl. 220—66.
Bard, Irving G., and R. S. Rogers, to Leeds & Northrup Co. Linearized analog-to-digital converters. 3,354,452, 11–21–67, Cl. 340—347.
Bard, John A., to The R. C. Mahon Co. Wall construction. 3,320,708, 5–23–67, Cl. 52—478.
Bard, John C., and E. V. Podebradsky, to Oscar Mayer & Co., Inc. Method of preparing packaged sliced bacon. 3,359,121, 12–19–67, Cl. 99—174.
Bard, Martin. Standard for shelf assembly. 3,339,751, 9–5–67. Cl. 211—176.
Bard Pharmaceuticals, Inc.: *See*—
Broh-Kahn, Robert H., and Galat. 3,355,356.
Bardash, Irwin: *See*—
Siekanowicz, Wieslaw W., Schilling, and Bardash. 3,340,-484.
Siekanowicz, Wieslaw W., Schilling, and Bardash. 3,350,663.
Barday, Donald J. Method and apparatus for cleaning objects with solvent. 3,308,839, 3–14–67, Cl. 134—76.
Barden Corp., The: *See*—
Gray, Stanley. 3,302,048.
Barden Donald M., to Bryant Chucking Grinder. Cavitation minimizer. 3,300,969, 1–31–67, Cl. 60—52.
Barden, James L., to General Electric Co. Liquid diverting switch actuator. 3,305,659, 2–21–67, Cl. 200—172.
Bardenhagen, Dietrich, to Hauni-Werke Korber & Co. KG. Apparatus for manipulating rod shaped articles. 3,341,036, 9–12–67, Cl. 214—17.
Bardes, Charles R., and J. W. Williams, to Yarway Corp. Liquid phase detectors or condensate indicators. 3,357,247, 12–12–67, Cl. 73—306.
Bardgette, John J., to Esso Production Research Co. Method and apparatus for use in forming foundations. 3,314,240, 4–18–67, Cl. 61—53.5.
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Bento, Robert, Barditch, and Brooks. 3,359,504.
Merck, John W., and Barditch. 3,354,395.
Barditch, Irving F., to Westinghouse Electric Corp. Digital uniblock gate structure. 3,302,079, 1–31–67, Cl. 317—235.
Bardocz, Arpad. Spectrum analysis with time-resolved spark spectra. 3,315,560, 4–25–67, Cl. 88—14.
Bardoneschi, Roland: *See*—
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Barecki, Chester J., to American Seating Co. Telescoping chair. 3,316,014, 4–25–67, Cl. 297—35.
Barecki, Chester J., to American Seating Co. Vehicle seat. 3,323,835, 6–6–67, Cl. 297—445.
Barecki, Chester J., and W. S. Lindberg, to American Seating Co. Row seating. 3,318,635, 5–9–67, Cl. 297—446.
Barecki, Chester J., B. Henrikson, and W. R. Dufendach, to American Seating Co. Mast-supported selector tube and carrel in electronic study system. 3,330,955, 7–11–67, Cl. 250—199.
Barecki, Chester J., and W. E. Nordmark, to American Seating Co. Folding table. 3,349,728, 10–31–67, Cl. 108—131.
Barefoot, Thomas L., and I. E. Martin, Jr., to Roberts Co. Viscous damping for spindle. 3,321,902, 5–30–67, Cl. 57—135.
Barenholtz, George J.: *See*—
Noshay, Allen, and Barenholtz. 3,297,608.
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Barenyi, Bela. Vehicle top structure. 3,298,734, 1–17–67, Cl. 296—136.
Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Luggage carrier. 3,339,813, 9–5–67, Cl. 224—42.1.
Barenyi, Bela, and H. Renner, to Daimler-Benz Aktiengesellschaft. Instrument panel. 3,341,248, 9–12–67, Cl. 296—70.
Barényi, Béla, and B. Sacco, to Daimler-Benz Aktiengesellschaft. Motor vehicle. 3,352,597, 11–14–67, Cl. 296—28.
Bares, Edward F.: *See*—
Haggard, Richard A., and Bares. 3,301,218.
Bares, Edward F., and R. A. Haggard, to Big Dutchman, Inc. Flow control apparatus for elongated feed conveyors for animals. 3,302,617, 2–7–67, Cl. 119—52.
Bares, Jack A., and M. Osborn, to Milbar Corp. Bearing cup remover. 3,358,353, 12–19–67, Cl. 29—275.
Baresel-Bofinger, Rudolf. Knock down furniture connector. 3,331,623, 7–18–67, Cl. 287—20.92.
Barford, John C., P. F. Dias, and J. D. Glentworth, to Societe Anonyme de Machines Electrostatiques. Electrostatic powder application. 3,323,933, 6–6–67, Cl. 117—17.
Bargainer, James D., Jr., to Mobil Oil Corp. Transmission of well logging signals in binary or digital form. 3,309,521, 3–14–67, Cl. 250—83.3.
Bargen, David W., to Electro-Optical Systems, Inc. Computing transducer system. 3,358,511, 12–19–67, Cl. 73—398.
Bargen, David W., and B. O. Van Ness, to Motorola, Inc. Electric motor overheating protection circuit. 3,305,698, 2–21–67, Cl. 317—13.
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Crouch, Robert T. and Barger. 3,356,554.
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Barghini, Robert J., W. M. Westberg, and P. H. Carey, Jr., to Minnesota Mining & Mfg. Co. Cold weather face mask. 3,333,585, 8–1–67, Cl. 128—212.
Baribo, Lester E., to A. E. Staley Mfg. Co. Process for the production of glucoamylase. 3,298,926, 1–17–67, Cl. 195—66.
Barie, Walter P., Jr., to Gulf Research & Development Co. Esterification in the presence of the catalyst combinations tin dibasic acid carboxylates and either sulfuric, benzenesulfonic or toluene sulfonic acid. 3,341,570, 9–12–67, Cl. 260—475.
Barie, Walter P., Jr., and N. W. Franke, to Gulf Research & Development Co. Coating compositions comprising polymers of acrylic esters. 3,310,513, 3–21–67, Cl. 260—29.6.
Barie, Walter P., Jr., and N. W. Franke, Gulf Research & Development Co. Polyepoxy resin-biary anhydride composition. 3,324,081, 6–6–67, Cl. 260—47.
Barie, Walter P., Jr., and C. M. Selwitz, to Gulf Research & Development Co. Substituted benzyl succinic anhydride cured epoxy resin compositions. 3,326,856, 6–20–67, Cl. 260—476.
Barie, Walter P., Jr., N. W. Franke, and A. C. Whitaker, to Gulf Research & Development Co. Esterification in the presence of the catalyst combination tin dibasic acid carboxylates and tetrahydrocarbyl titanates. 3,332,983, 7–25–67, Cl. 260—475.
Barigant, Pierre, to L'Electronique Appliquee. Device for determining the modulus of young of visco-elastic materials. 3,319,460, 5–16–67, Cl. 73—67.2.
Baring, John A., to Honeywell Inc. Flash exposure meter. 3,349,666, 10–31–67, Cl. 88—23.
Baring, John A., to Honeywell Inc. Slide tray and slide actuator for a projecting apparatus. 3,359,667, 12–26–67, Cl. 40—79.
Baringer, Berlyn E., M. A. Hole, and J. A. Huber, to Coilfeed Systems, Inc. Threading rail means for strip stock feeding apparatus. 3,331,542, 7–18–67, Cl. 226—91.
Barish, Benjamin J., to Burroughs Corp. Electrostatic page printer. 3,316,555, 4–25–67, Cl. 346—74.
Barish, Benjamin J. Holder for soap bar or other article. 3,338,540, 8–29–67, Cl. 248—212.
Barish, David T. Self-inflating wings. 3,298,635, 1–17–67, Cl. 244—35.
Barkalow, Clare E., and H. C. Daubert, Jr., to Lear Siegler, Inc. Control system for gyro-verticals. 3,318,161, 5–9–67, Cl. 74—5.34.
Barkalow, Dale E.: *See*—
Swift, Gilbert, Monaghan, Barkalow, and Denny. 3,341,-706.
Barkan, Bernard R. Collapsible, portable freezer box. 3,347,-060. 10–17–67, Cl. 62—457.
Barkan, Philip, and T. A. Burns, to General Electric Co. Hydraulic integrating apparatus using two different fluids. 3,333,189, 7–25–67, Cl. 324—76.
Barkdoll, Joseph P., H. R. Diamond, R. E. Shattuck, and D. H. Smith, to SCM Corp. Office machine with rotary carriage control member. 3,315,776, 4–25–67, Cl. 197—60.
Barke, Bernard A., and R. P. Oehrke, to Bell & Howell Co. Self-storing rear screen projector. 3,352,203, 11–14–67, Cl. 88—24.
Barkemeyer, Henry R., W. J. McAleer, and P. I. Pollak, to Merck & Co., Inc. Semiconductor process and products produced thereby. 3,306,713, 2–28–67, Cl. 23—315.
Barker, A., and Sons Ltd.: *See*—
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Barker, Albert E. A., to A. Barker and Sons Ltd. Footwear. 3,298,116, 1–17–67, Cl. 36—17.
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Mann, John E., Barker, and Perks. 3,345,266.
Barker, Allan, and J. A. Dodd, to United Kingdom Atomic Energy Authority. Sheathed fuel plate assemblies for a nuclear reactor. 3,321,379, 5–23–67, Cl. 176—75.
Barker, Allan, A. G. Bool, and R. T. Ackroyd, to United Kingdom Atomic Energy Authority. Sheathed fuel plate assemblies for a nuclear reactor. 3,322,645, 5–30–67, Cl. 176—75.
Barker, Arthur F., to E. I. du Pont de Nemours and Co. Aerosol valve for food products. 3,336,000, 8–15–67, Cl. 251—212.
Barker, Arthur F., to E. I. du Pont de Nemours and Co. Aerosol tilt valve. 3,357,604, 12–12–67, Cl. 222—402.23.
Barker, Carl: *See*—
Coward, Todd L., and Barker. 3,332,874.
Coward, Todd L., and Barker. 3,332,878.
Coward, Todd L., and Barker. 3,332,879.
Barker, Charles E. Apparatus for repetitive application of a controlled force. 3,351,047, 11–7–67, Cl. 125—20.
Barker, Derek R.: *See*—
Barker, William H. and D. R. 3,329,163.

Barker, Ellis N. Animators for cameras. 3,351,414, 11–7–67, Cl. 352—84.
Barker, Ethel C.: *See*—
Barker, Thomas D. and E. C. 3,336,859.
Barker, Thomas D. and E. C. 3,337,346.
Barker, George. Grooved panel with load-bearing strips. 3,353,315, 11–21–67, Cl. 52—275.
Barker, George E., to Monsanto Co. Time proportioning control circuits. 3,311,834, 3–28–67, Cl. 328—1.
Barker, George E., to Monsanto Co. Sensory transducers. 3,331,245, 7–18–67, Cl. 73—313.
Barker, George E., and G. E. Lightner, to Monsanto Co. Differential pressure sensor. 3,331,248, 7–18–67, Cl. 73—398.
Barker, Graham I. Lid arrangement for vertical storage filing cabinet. 3,312,513, 4–4–67, Cl. 312—184.
Barker, Graham I. Latch for vertical storage filing cabinet. 3,312,514, 4–4–67, Cl. 312—184.
Barker, Graham I. End support and guide means for load supporting laths in vertical storage filing cabinet. 3,312,517, 4–4–67, Cl. 312—331.
Barker, Graham I. Bridge support for load supporting laths in vertical storage filing cabinet. 3,347,242, 10–17–67, Cl. 129—16.7.
Barker, Harlow J., W. L. Nickerson, and P. G. Rumball, to United Shoe Machinery Corp. Work guidance mechanisms. 3,337,212, 8–22–67, Cl. 271—1.
Barker, Horace H., Jr., R. L. Long, D. Rosello, G. J. Soldat, and T. D. Smith, to Douglas Aircraft Co., Inc. Cryogenic containers. 3,317,074, 5–2–67, Cl. 220—9.
Barker, John, J. R. Birt, E. Housby, and D. M. Gorman, to The English Electric Co. Ltd. Gas blast circuit breaker and operating means therefor. 3,358,105, 12–12–67, Cl. 200—148.
Barker, John L., to Laboratory For Electronics, Inc. Computer for dividing one variable quantity by another. 3,341,698, 9–12–67, Cl. 235—196.
Barker, John L., F. W. Hannula, and L. R. Pallat, to Laboratory for Electronics, Inc. Centralized digital traffic counting system for recording and control. 3,322,940, 5–30–67, Cl. 235—150.24.
Barker, John S., to British Cellophane Ltd. Wrapping of cylindrical rolls. 3,296,772, 1–10–67, Cl. 53—380.
Barker, Joseph K. Trailer or similar construction. 3,326,597, 6–20–67, Cl. 296—100.
Barker, Layle B.: *See*—
Brown, Donald L., and Barker. 3,302,350.
Brown, Donald L., and Barker. 3,321,878.
Barker, Leslie C. Structural joints. 3,323,819, 6–6–67, Cl. 287—189.36.
Barker, Lester R., to Electronic Standard Corp. of America. Microwave circuit termination. 3,324,424, 6–6–67, Cl. 333—22.
Barker, Lester R., to Electronics Standards Corp. of America. Microwave connector. 3,325,752, 6–13–67, Cl. 333—34.
Barker, Lester R., to Electronic Standards Corp. of America. Microwave push-on connectors. 3,336,566, 8–15–67, Cl. 339—143.
Barker, Lester R., to Electronic Standards Corp. of America. Microwave termination. 3,348,170, 10–17–67, Cl. 333—22.
Barker, Luther P., Jr. Fish hook. 3,333,359, 8–1–67, Cl. 43—43.6.
Barker, Philip E., and D. I. Lloyd, to National Research Development Corp. Countercurrent gas chromatography and gas/solid adsorption. 3,338,031, 8–29–67, Cl. 55—67.
Barker Poultry Equipment Co.: *See*—
Jones, Leonard M. 3,311,216.
Reading, Walter J. 3,342,012.
Barker, Robert S., to Halcon International, Inc. Production of cyclohexylamine. 3,346,636, 10–10–67, Cl. 260—563.
Barker, Ronald F.: *See*—
Keller, George T., and Barker. 3,311,060.
Barker, Sydney W., to Nevale Ltd. Thread treating machines. 3,315,498, 4–25–67, Cl. 68—9.
Barker, Theodore L., and L. M. Hamrick, to Geo. J. Meyer Mfg. Co. Uncaser. 3,310,187, 3–21–67, Cl. 214—304.
Barker, Thomas D. and E. C. Food preparation. 3,336,859, 8–22–67, Cl. 99—409.
Barker, Thomas D. and E. C. Method of pan frying fowl. 3,337,346, 8–22–67, Cl. 99—107.
Barker, Thomas H., to Bell Telephone Laboratories, Inc. Modular fuse block assembly. 3,299,236, 1–17–67, Cl. 200—133.
Barker, Thomas H., R. C. Nance, and J. R. Shine, to Bell Telephone Laboratories, Inc. Electromechanical counter. 3,309,506, 3–14–67, Cl. 235—92.
Barker, Thomas H., R. C. Nance, and J. R. Shine, to Bell Telephone Laboratories, Inc. Counter resetting mechanism. 3,351,278, 11–7–67, Cl. 235—144.
Barker, William: *See*—
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Barker, William H. and D. R. Air flow controllers or dampers. 3,329,163, 7–4–67, Cl. 137—601.
Barker, William M., to General Signal Corp. Coded supervisory control system. 3,305,837, 2–21–67, Cl. 340—163.
Barkey, Kenneth T.: *See*—
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Barkey, Kenneth T., to Eastman Kodak Co. Polyester prepolymers and processes for their manufactures. 3,342,782, 9–19–67, Cl. 260—75.
Barkhau, Marvin L., to Owens-Illinois, Inc. Lubricant coating for glassware molds and equipment. 3,347,650, 10–17–67, Cl. 65—26.
Barkis, Edward, and T. M. Quinn, to Avisum Corp. Heat-sealable composite sheet. 3,297,477, 1–10–67, Cl. 117—138.8.
Barkis, Edward, and W. I. Tinz, to Avisun Corp. Coating composition of polyoxylalkylene ether of a 2-alkylidene diphenyl esterified with fumaric or maleic acid, and a polyglycidyl ether of a dihydric phenol. 3,297,782, 1–10–67, Cl. 260—835.
Barkley, Byron F., and W. H. Kibbie. Extensible boom crane. 3,308,967, 3–14–67, Cl. 212—55.
Barkley, Byron F., and W. H. Kibbie. Extensible boom construction. 3,341,029, 9–12–67, Cl. 212—55.
Barkman, Erik F.: *See*—
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Barkow, William H., to Radio Corp. of America. Raster distortion correction. 3,346,765, 10–10–67, Cl. 315—27.
Barkow, William H., and R. M. Christensen, to Radio Corp. of America. Dynamic raster distortion correction circuit having four window magnetic circuit. 3,329,861, 7–4–67, Cl. 315—24.
Barks, Robert W., to Satellite Developing Corp. Diaper washer and storage receptacle. 3,318,119, 5–9–67, Cl. 68—132.
Barksdale, Bruner T. Rockable reclining chair construction. 3,295,885, 1–3–67, Cl. 297—84.
Barksdale Mfg. Corp.: *See*—
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Barksdale Valves: *See*—
Simonin, Rene, Jr. 3,301,977.
Barkstrom, Reynold, R. L. Sutton, and T. G. Drayer, to International Harvester Co. Corn picker. 3,320,730, 5–23–67, Cl. 56—15.
Barkstrom, Reynold, R. L. Sutton, and D. B. Carlson, to International Harvester Company. Combination corn shelling and cob grinding apparatus. 3,348,780, 10–24–67, Cl. 241—101.
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Barlett, William F., to Stromberg-Carlson Corp. Common series double comparison circuit for a time division multiplex system. 3,334,331, 8–1–67, Cl. 340—146.2.
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Barloga, Albert M., and A. T. Morgan, to Inland Steel Co. Oxygen steelmaking. 3,316,082, 4–25–67, Cl. 75—12.
Barlow, Alan, to S. Smith & Sons (England) Ltd. Cases of the kind for containing electrical equipment. 3,316,452, 4–25–67, Cl. 317—99.
Barlow, Alan, to S. Smith & Sons (England) Ltd. Trays of the kind for use in mounting cases containing electrical equipment. 3,316,456, 4–25–67, Cl. 317—100.
Barlow, Boris V., to S. Smith & Sons Ltd. Manufacture of tube-like structures. 3,315,509, 4–25–67, Cl. 72—145.
Barlow, Conrad R. Nozzle and valve assembly. 3,297,260, 1–10–67, Cl. 239—533.
Barlow, Conrad R. Quick-disconnect latch. 3,307,866, 3–7–67, Cl. 292—113.
Barlow Controls, Inc.: *See*—
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Savage, Harry A. 3,298,391.
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Glass, Marvin I., Ayala, and Barlow. 3,299,762.
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Glass, Marvin I., Barlow, Kripak, and Stan. 3,295,848.
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Barlow, John C., and K. W. Cocksedge, to Bell Punch Co. Ltd. Totalisator equipment. 3,351,745, 11–7–67, Cl. 235—92.
Barlow, Lester P., to The Barlow Vapor Cooling Co. Internal combustion process and apparatus permitting the use of faster burning fuels than are normally used in high-compression automotive gasoline engines. 3,312,204, 4–4–67, Cl. 123—41.25.
Barlow, Robert E. Inflatable lifting device. 3,331,087, 7–18–67, Cl. 5—81.
Barlow, Sidney D.: *See*—
De Molin, Arrigo V., and Barlow. 3,337,124.
Barlow, Terrence W. Method of making synthetic suede and product thereof. 3,312,586, 4–4–67, Cl. 161—109.
Barlow Vapor Cooling Co., The: *See*—
Barlow, Lester P. 3,312,204.
Barlowe, Murray, to North American Philips Co., Inc. Heat dissipator with pivotable means to grip a semi-conductor device. 3,305,004, 2–21–67, Cl. 165—80.
Bar-Master, Inc.: *See*—
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Barmer Maschinenfabrik AG.: *See*—
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Niemeyer, Walter. 3,355,767.
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Roehlig, Guenter, and Augustin. 3,327,348.
Schippers, Heinz. 3,295,160.
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Schippers, Heinz, and Niemeyer. 3,349,433.
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Barnabe, Jean-Louis, D. Callies, and C. Loveque, to Societe de Recherches Tecniques et Industrielles. Device for utilizing the osmotic pressure of a solution for the production of mechanical energy. 3,344,926, 10–3–67, Cl. 210—321.
Barnabeo, Austin E.: *See*—
Wynsira, John, Reinking, and Barnabeo. 3,305,528.
Barnaby, Roland E., Jr., to Rayline, Inc. Solder dispenser. 3,308,938, 3–14–67, Cl. 206—56.
Barnard, Brian: *See*—
Mabbs, Frank E., and Barnard. 3,341,291.
Barnard, Charles R. N., to Minister of Aviation, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Radio phase-comparison receivers. 3,348,225, 10–17–67, Cl. 343—112.
Barnard, Mark C. S., to The Rover Co. Ltd. Torque-transmitting means permitting relative radial expansion and contraction between a pair of coaxial driven and driving members. 3,311,204, 3–28–67, Cl. 192—41.
Barnard, Paul R. Feed mixing and processing mechanism. 3,318,228, 5–9–67, Cl. 99—235.
Barnard, Richard L.: *See*—
Cehnoweth, Dean B., and Barnard. 3,299,195.
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Barnby, Herbert A., deceased (by B. P. Barnby, executrix), to Owens-Illinois, Inc. Method and apparatus for sterile packaging. 3,356,510, 12–5–67, Cl. 99—182.
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Barnes, Alfred H., deceased (by M. C. Seham, executor), and C. G. Hadwick, to Union Carbide Corp. High temperature vacuum furnace. 3,350,495, 10–31–67, Cl. 13—31.
Barnes, Al-G, to Continental Oil Co. Non-destructive thickness measuring device. 3,339,403, 9–5–67, Cl. 73—67.9.
Barnes, Allan B., Sr., and J. P. Lighted walking cane. 3,336,469, 8–15–67, Cl. 240—6.42.
Barnes, Amos E., to Thoikol Chemical Corp. Electromotive force rocket motor initiator. 3,338,134, 8–29–67, Cl. 89—1.808.
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Barnes, Arthur G., to British Aircraft Corp. (Operating) Ltd. Flight simulator display apparatus. 3,327,407, 6–27–67, Cl. 35—12.
Barnes, Bayard I., to The Mead Corp. Top opening carton. 3,315,870, 4–25–67, Cl. 229—37.
Barnes, Bernard B., to Woodward Governor Co. Alternator control system. 3,325,650, 6–13–67, Cl. 290—40.
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Barnhart, Clifford W., to Black, Sivalls & Bryson, Inc. Method for drying a fluid stream and reconcentrating the absorbent. 3,321,890, 5–30–67, Cl. 55—32.
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Baron, Joseph J., Jr., and J. P. Rakus, to Allied Chemical Corp. Thermal degradation of polyolefins in the presence of a metal salt carboxylic acid catalyst. 3,332,926, 7–25–67, Cl. 260—93.7.
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Baron, Stanley C. Method and apparatus for opening bags. 3,325,962, 6–20–67, Cl. 53—29.
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Barr, Courtland H., Sr., C. H. Barr, Jr., and J. W. Barr, to Courtland Laboratories. Needle package. 3,337,031, 8–22–67, Cl. 206—17.
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Barr, John D., R. E. Reason, and P. F. T. C. Stillwell, to The Rank Organisation Ltd. Method and apparatus for assessing the coordinates of the centre of a roughly circular form relative to a fixed axis. 3,307,267, 3–7–67, Cl. 33—174.
Barr, John D., and R. F. Clifford, to Rank Precision Industries Ltd. trading as The Organisation Rank Taylor Hobson Division. Control mechanisms for adjusting the objectives of television or cinematograph cameras. 3,347,985, 10–17–67, Cl. 178—7.92.
Barr, John N., to Square D Co. Magnetic impulse generator. 3,315,104, 4–18–67, Cl. 310—29.
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Barrall, Edward M., II, and J. F. Gernert, to Chevron Research Co. High sensitivity differential thermal analysis apparatus and method. 3,339,398, 9–5–67, Cl. 73—15.
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Barrett, George F., to The Kamphausen Co. Method of and apparatus for pole reinforcing. 3,320,714, 5–23–67, Cl. 52—742.
Barrett, Herbert M., to Phillips Petroleum Co. Drilling fluid. 3,340,188, 9–5–67, Cl. 252—8.5.
Barrett, Herbert M., to Phillips Petroleum Co. Method and means for sealing leaks in buried conduits. 3,356,777, 12–5–67, Cl. 264—36.
Barrett, Homer D.: *See*—
Stow, George C., Jr., Mallonee, and Barrett. 3,343,363.
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Barrett, John S., to Lear Siegler, Inc. Ordnance firing device. 3,343,490, 9–26–67, Cl. 102—70.
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Barrett, Marlin W., D. G. Cramer, and R. B. Oltman, to Pittsburgh Plate Glass Co. Apparatus for forming ribbon with lateral force means. 3,350,188, 10–31–67, Cl. 65—165.
Barnett, Patricia: *See*—
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Barrett, Paul C., and G. W. Stambaugh, to The General Tire & Rubber Co. Semi-automatic filling device. 3,310,078, 3–21–67, Cl. 141—348.
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Barrett, Peter J. Mounting device for a boat sail. 3,338,204, 8–29–67, Cl. 114—108.
Barrett, Randall M. Register regulator aid. 3,360,291, 12–26–67, Cl. 294—19.
Barrett, Richard A., and D. A. Polesky, to International Commodities, Inc. Swivel assembly rotatable through more than one revolution. 3,312,482, 4–4–67, Cl. 285—168.
Barrett, Richard C., to Allied Chemical Corp. Coal tar paving compositions and process for preparing them. 3,304,191, 2–14–67, Cl. 106—279.
Barrett, Richard C., to Allied Chemical Corp. Improved coal tar pitch composition. 3,304,192, 2–14–67, Cl. 106—280.
Barrett, Richard C., to Allied Chemical Corp. Oxychloropolyethylene coating. 3,356,638, 12–5–67, Cl. 260—33.8.
Barrett, Thomas, to International Exhibits, Inc. Water gun target with displaceable element. 3,342,492, 9–19–67, Cl. 273—102.1.
Barrett, Walter, to Prince-Smith and Stells Ltd. Brakes for textile spinning and like spindles. 3,313,097, 4–11–67, Cl. 57—88.
Barrett, Walter R., Jr. Electrocardiograph cushion. 3,323,514, 6–6–67, Cl. 128—2.06.
Barrett, Wayne T., L. V. Triggiani, and J. S. Magee, to W. R. Grace & Co. Method of treating exhaust gases. 3,322,491, 5–30–67, Cl. 23—2.
Barrett, Wesley H., and K. Law, to Dowty Mining Equipment Ltd. Roof support assembly. 3,355,898, 12–5–67, Cl. 61—45.
Barrett, William G., D. K. Johnson, and G. H. Thorne, Sr., to Sperry Rand Corp. Register including inter-stage multivibrator temporary storage. 3,320,410, 5–16–67, Cl. 235—175.
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Barrilleaux, Leo S., Jr., and N. G. Richard, to Southdown, Inc. Cane planting machine. 3,338,439, 8–29–67, Cl. 214—355.
Barringer, Anthony R., to Barringer Research Ltd. Method and apparatus for investigating structural geometry of a remote reflecting body. 3,311,914, 3–28–67, Cl. 343—17.2.
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Barringer, Donald F., Jr., and G. Berkelhammer, to American Cyanamid Co. Lower alkoxy pyridyl acetones. 3,336,327, 8–15–67, Cl. 260—297.
Barringer, Donald F., Jr., and G. Berkelhammer, to American Cyanamid Co. Method of preparation of lower alkoxy piperidyl acetones by hydrogenation with rhodium in acid conditions. 3,338,909, 8–29–67, Cl. 260—293.2.
Barringer, Hubert P., to United States of America, Atomic Energy Commission. Damped bearing for centrifuges. 3,306,681, 2–28–67, Cl. 308—140.
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Barrington, Alfred E., R. F. Herzog, and W. P. Poschenrieder, to GCA Corp. Leak detection system which utilizes a sorption pump and a specific mass spectrometer detector. 3,342,990, 9–19–67, Cl. 250—41.9.
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Barrling, Gösta G. Device for cooling rectifiers. 3,328,644, 6–27–67, Cl. 317—100.

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Barron, Archie N., C. W. Crowe, and B. L. Atkins, to The Dow Chemical Co. Gelled oxidizing agents, method of preparation and method of use in treating underground formations. 3,336,981, 8–22–67, Cl. 166—36.
Barron, Benjamin, to Lear Siegler, Inc. Voltage converter circuits with shiftable tap on primary winding. 3,350,620, 10–31–67, Cl. 321—2.
Barron, Benjamin, to Lear Siegler, Inc. Regulated power supply circuit. 3,356,927, 12–5–67, Cl. 321—18.
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Lastnik, Abraham L., and Barron. 3,320,619.
Barron, Hollis M., to Agriform International Chemicals, Inc. Fertilizer tablet which rapidly disintegrates when watered and thereafter slowly releases its plant nutrients. 3,338,700, 8–29–67, Cl. 71—28.
Barron, James. Apparatus for bladder irrigation and medication. 3,329,147, 7–4–67, Cl. 128—230.
Barron, James D. Foldable ash tray. 3,342,317, 9–19–67, Cl. 206—37.
Barron, James O., J. T. Coomes, and R. D. C. Bone, to Shandon Scientific Co. Ltd. Chromatography. 3,352,221, 11–14–67, Cl. 95—11.
Barron, John N., to Graphic Electronics, Inc. Method and apparatus for relief paste-up process. 3,327,400, 6–27–67, Cl. 33—184.5.
Barron, Joseph E., and A. Soboleski, to United States Rubber Co. Agricultural chemical concentrates. 3,330,642, 7–11–67, Cl. 71—100.
Barron, Lawrence E., and A. G. Tsuk, to Schwarz Bioresearch Inc. Method and material for selective diffusion. 3,329,574, 7–4–67, Cl. 167—82.
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Fontaine, Ludger A. 3,345,830.
Barrows, Martin R. Fluid pressure actuated tube compressor valve. 3,322,147, 5–30–67, Cl. 137—595.
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Barry, James E., Sr. Gauging fixture for stepped mircometer gauge. 3,295,217, 1–3–67, Cl. 33—170.
Barry, James S., ½ to International Paper Co., and ½ to The Stanley Works. Cover for freight vehicle. 3,330,225, 7–11–67, Cl. 105—377.
Barry, James S., ½ to International Paper Co. and ½ to The Stanley Works. Railway car door gasket. 3,354,841, 11–28–67, Cl. 105—424.
Barry, John K., to South Chester Corp. Door or panel fastener. 3,302,964, 2–7–67, Cl. 292—57.
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Barry, Leonard D., to Ampex Corp. Magnetic tape recorder with recessed concave tape guide. 3,320,370, 5–16–67, Cl. 179—100.2.
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Barsam, Arthur, Sr., and A. Barsam, Jr., to Cinex Inc. Rotary drive apparatus for rewind mechanisms. 3,299,730, 1–24–67, Cl. 74—421.
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Bartee, Thomas C., to Hickok Teaching Systems, Inc. Digital computer trainer. 3,309,793, 3–21–67, Cl. 35—10.
Bartelink, Dirk J., to Bell Telephone Laboratories, Inc. Solid state plasma acoustic amplifier with heat dissipating means. 3,343,097, 9–19–67, Cl. 330—5.
Bartelink, Dirk J., and G. E. Smith, to Bell Telephone Laboratories, Inc. Traveling-wave solid state plasma amplifier with charge flow constraining means. 3,336,532, 8–15–67, Cl. 330—5.
Bartels, Alfred F., and H. Kroger, to Nordischer Maschinenbau Rud. Baader. Method and apparatus for the fully automatic feed of fish to fish working machines. 3,348,260, 10–24–67, Cl. 17—2.
Bartels, Helmut, to Werner Bahlsen. Wall upholstering of storage spaces of cargo-carrying motor vehicles. 3,338,619, 8–29–67 Cl. 296—24.
Bartels, Henning G. Booster pump. 3,329,095, 7–4–67, Cl. 103—87.
Bartels, Herbert D., to Continental Can Co., Inc. Dispensing container and charging valve therefor. 3,337,091, 8–22–67, Cl. 222—95.
Bartels-Keith, James R., to Smith Kline & French Laboratories. New thebaine derivatives. 3,299,072, 1–17–67, Cl. 260—285.
Bartels-Keith, James R., to Smith Kline & French Laboratories. Intermediates for preparing thebaine derivatives. 3,322,771, 5–30–67, Cl. 260—285.
Bartels-Keith, James R., and M. Gordon, to Smith Kline & French Laboratories. N-cyclopropylmethyl benzmorphan derivatives. 3,351,626, 11–7–67, Cl. 260—294.3.
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Barth, Manfred, G. Hummel, R. Blumenthal, and E. Puls. Resilient suspension for tractor seats and the like. 3,301,-520, 1–31–67, Cl. 248—399.
Barth, Otto, deceased; by V. Barth, legal representative. Tilted stool. 3,312,437, 4–4–67, Cl. 248—158.
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Barthule, George, to Liftex Slings, Inc. End terminal for fabric sling. 3,352,590, 11–14–67, Cl. 294—74.
Barthule, George, to Liftex Slings, Inc. Metal web sling. 3,360,293, 12–26–67, Cl. 294—74.
Bartik, William J., to Sperry Rand Corp. Toroidal core memory array. 3,305,848, 2–21–67, Cl. 340—174.
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Hardt, Dietrich, Bartl, and Wust. 3,355,516.
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Bradley, Elihu F., Jaffee, Williams, and Bartlett. 3,297,-438.
Bartlett, Howard J., to Norton Co. Refractory compound and method of production. 3,348,925, 10–24–67, Cl. 23—315.
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Bartlett, Philip D., H. E. Erikson, and J. F. Sadlow, to Polaroid Corp. Photographic processing apparatus. 3,344,-730, 10–3–67, Cl. 95—89.
Bartlett, Roscoe G., Jr. Mask-to-mask resuscitation systems. 3,327,704, 6–27–67, Cl. 128—145.5.
Bartlett, Roscoe G., Jr. Mask-to-mask resuscitation systems. 3,352,304, 11–14–67, Cl. 128—145.8.
Bartlett, William F., to Stromberg-Carlson Corp. Queue store. 3,307,150, 2–28–67, Cl. 340—172.5.
Bartlett, William F., to Stromberg-Carlson Corp. Stored program boolean logic system incorporating omni-boolean function synthesizer. 3,349,379, 10–24–67, Cl. 340—172.5.
Bartlett, William F., and B. Brightman, to General Dynamics Corp. Parallel to serial character converter apparatus. 3,334,181, 8–1–67, Cl. 178—50.
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Barto, Ronald L., to General Electric Co. Production of non-earing molybdenum sheet. 3,324,699, 6–13–67, Cl. 72—365.
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Fetter, Neil R., and Bartocha. 3,321,504.
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Bartolone, Steven P. License plate holder. 3,3,312,010, 4–4–67, Cl. 40—209.
Barton, Alfred O., W. D. Griffin, R. B. Lund, Z. Oser, and J. Vitrone, to Allied Chemical Corp. New trisphenols and epoxide resins prepared therefrom. 3,309,339, 3–14–67, Cl. 260—47.
Barton, Bernard C., W. Nudenberg, and E. A. Delaney, to Texas U.S. Chemical Co. Butadiene-isobutylene copolymers prepared by using catalyst composed of a grignard reagent and titanium tetrahalide. 3,357,960, 12–12–67, Cl. 260—85.3.
Barton, David W., and C. Haddad, to Ford Motor Co. Motion transfer device. 3,355,963, 12–5–67, Cl. 74—501.
Barton, Derek H. R., to Schering Corp. Photochemical process for rearranging organic hypohalite and nitrite compounds. 3,298,941, 1–17–67, Cl. 204—158.
Barton, Derek H. R., to Research Institute for Medicine and Chemistry, Inc. Process for the production of steroid bromohydrins or cyclic ethers derived therefrom. 3,354,150, 11–21–67, Cl. 260—239.55.
Barton, Derek H. R., B. A. Hems, T. Walker, A. C. Ritchie, R. F. K. Meredith, P. G. Holton, D. E. Clark, and G. B. Webb, to Glaxo Group Ltd. Benzoquinolizine and process for preparing same. 3,301,858, 1–31–67, Cl. 260—286.
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Barton, George C., and P. L. Stapleton, to United Shoe Machinery Corp. Backpart molding machines. 3,325,840, 6–20–67, Cl. 12—52.5.
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Barton, James C., J. W. Carter, and W. E. Roberts, to Caterpillar Tractor Co. System for control of pitch and bounce in tractor-trailer combinations. 3,311,389, 3–28–67, Cl. 280—489.
Barton, James V., J. J. Borzcik, H. H. Gove, and R. E. Hoffman, to The Black Clawson Co. Extrusion die and feed apparatus. 3,314,109, 4–18–67, Cl. 18—14.
Barton, John M., and A. L. J. Raum, to The Distillers Co. Ltd. Trioxane polymerization process. 3,306,878, 2–28–67, Cl. 260—67.
Barton, John T., to Perkins Pipe Linings, Inc. Hose and cable coupling. 3,295,496, 1–3–67, Cl. 118—506.
Barton, John T., to Perkins Pipe Linings, Inc. Rate of flow indicator for mortar. 3,318,147, 5–9–67, Cl. 73—231.
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Bassett, Arthur T., Jr., to General Motors Corp. Electrical surface heater with plural lamps. 3,355,574, 11–28–67, Cl. 219—464.
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Bastian, Bruce N., and G. N. Schrauzer, to Shell Oil Co. Bicycloheptadiene dimerization. 3,329,732, 7–4–67, Cl. 260—666.
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Bate, Geoffrey, D. E. Speliotis, and J. R. Morrison, to International Business Machines Corp. Magnetic coating. 3,342,-632, 9–19–67, Cl. 117—217.
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Batti, Mario A., to Miles Laboratories, Inc. Fermentation process for production of citric acid. 3,349,005, 10–24–67, Cl. 195—36.
Battin, John W., and D. B. Walker, Jr., to Motorola, Inc. Electronic circuit for selectively connecting a transmitter and a receiver to a single antenna. 3,327,215, 6–20–67, Cl. 325—23.
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Batts, John H., to Thomas John Batts, Inc. Garment hanger construction. 3,306,506, 2–28–67, Cl. 223—88.
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Baude, John, to Allis-Chalmers Mfg. Co. Synchronous motor starting system. 3,337,785, 8–22–67, Cl. 318—175.
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Baude, John, to Allis-Chalmers Mfg. Co. Static relay control circuit. 3,346,797, 10–10–67, Cl. 320—1.
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Bauder, Josef, W. Herrmann, and J. Swozil, to Siemens & Halske Aktiengesellschaft. Device for controlling a counter comprising matrix width and space line-wedge indicators in a key actuated composing perforator. 3,297,245, 1–10–67, Cl. 234—5.
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Bauer, William V., to The Lummus Co. Distillation of a solute-solvent mixture in successively reduced pressure stages while in direct contact and concurrent flow with a heat transfer medium. 3,298,932, 1–17–67, Cl. 203—11.

Bauernschub, John P., Jr., to United States of America, National Aeronautics and Space Administration. Folding boom assembly. 3,295,699, 1–3–67, Cl. 214—1.

Bauernschub, John P., Jr., to United States of America, National Aeronautics and Space Administration. Non-magnetic, explosive actuated indexing device. 3,331,255, 7–18–67, Cl. 74—126.

Baues, Dietrich, to Guild Arts & Crafts, Inc. Belt buckle. 3,357,067, 12–12–67, Cl. 24—176.

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Baum, Bernard O., G. M. Bryant, and N. L. Zutty, to Union Carbide Corp. Polyolefins containing copolymers of ethylene and N-vinyl-N-hydrocarbyl acetamides. 3,300,548, 1–24–67, Cl. 260—897.

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Beck, Roland D., and R. W. Houser, to Robertshaw Controls Co. Washing machine system and parts therefor. 3,336,766, 8–22–67, Cl. 68—12.
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Beck, Rudolf, to Kalle Aktiengesellschaft. Process for deep-drawing films and foils. 3,349,153, 10–24–67, Cl. 264—89.
Beck Russell C., and S. Farrow, deceased; (by F. R. Farrow, administratrix), to United States of America, Army. Vibration table. 3,323,355, 6–6–67, Cl. 73—71.6.
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Becker, Paul, and G. Groche to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Arrangement for preventing derailing of rail vehicles. 3,311,304, 3–28–67, Cl. 238—17.
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Becker, Richard O., to E. I. du Pont de Nemours and Co. Process for curing polychloroprene. 3,310,545, 3–21–67, Cl. 260—92.3.
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Beelitz, Howard R., to Radio Corp. of America. Interconnection of multi-layer circuits and methods. 3,318,993, 5–9–67, Cl. 174—68.5.
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Bejach, Benton, to Minnesota Mining and Mfg. Co. Tape transport system. 3,318,547, 5–9–67, Cl. 242—55.12.
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Benoit, Gerard, Ferdy and Franz Mayer, and P. Thomas. Electrical connectors. 3,350,681, 10–31–67, Cl. 339—253.

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Bensing, Gerald K., to Honeywell Inc. Biasing control using saturable magnetic cores. 3,303,334, 2–7–67, Cl. 235—156.

Bensinger, Wolf-Dieter, to Daimler-Benz Aktiengesellschaft. Rotary piston engine. 3,344,778, 10–3–67, Cl. 123—8.

Bensler, Richard A., Sr., and R. W. Mitchell, to International Business Machines Corp. Cut card continuous forms. 3,304,103, 2–14–67, Cl. 282—11.5.

Bensler, Richard A., Sr., and R. W. Mitchell, to International Business Machines Corp. Card documents. 3,343,-851, 9–26–67, Cl. 281—5.

Benson, Anthony J., to Drayton Control Engineering Ltd. Over-centre snap acting temperature responsive switch. 3,327,946, 6–27–67, Cl. 236—48.

Benson, Bernard S.: *See*—
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Benson, Bernard S. Pencil or pen with a moving point. 3,297,003, 1–10–67, Cl. 120—45.6.

Benson, Carl A., and A. L. Hart, to American Can Co. Method of and apparatus for classifying glass bottles. 3,301,-396, 1–31–67, Cl. 209—72.

Benson, Carl F., to The Torrington Co. Full complement roller radial thrust bearing. 3,300,261, 1–24–67, Cl. 308—212.

Benson, Carl F., to The Torrington Co. Method of preloading a universal joint. 3,302,267, 2–7–67, Cl. 29—148.4.

Benson, Carl F., to The Torrington Co. Energy converter. 3,312,200, 4–4–67, Cl. 123—11.

Benson, Clark K., and A. A. Caridis, to Heat and Control Inc. Food cooker. 3,309,981, 3–21–67, Cl. 99—405.

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Illingworth, Robert H., and Benson. 3,354,028.

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Benson, Ernest J.: *See*—
Webster, Robert C., and Benson. 3,297,454.

Benson-France: *See*—
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Benson, George C., and J. E. Allen, to United States of America, Atomic Energy Commission. Manometer. 3,326,048, 6–20–67, Cl. 73—401.

Benson, Glendon M., to Physics International Co. Breeder nuclear reactor. 3,322,636, 5–30–67, Cl. 176—18.

Benson, Glendon M., to Physics International Co. Core element for a breeder nuclear reactor. 3,322,644, 5–30–67, Cl. 176—69.

Benson, Glendon M., to Physics International Co. Fluid pressure actuated piezoelectric generator. 3,354,327, 11–21–67, Cl. 310—8.7.

Benson, Gustav E., and W. C. Shafer, to Owens-Corning Fiberglas Corp. Spun roving. 3,324,641, 6–13–67, Cl. 57—34.

Benson, Harold, A. Rickaby, and J. R. Beattie, to Pilkington Brothers Ltd. Apparatus for detecting faults in or on the surface of flat glass. 3,359,853, 12–26–67, Cl. 88—14.

Benson, Harold R., to The Nuarc Co. Dot etch and clearing table. 3,334,567, 8–8–67, Cl. 95—95.

Benson, Herbert L., Jr., and G. S. Mill, to Shell Oil Co. Corrosion inhibition in iodative dehydrogenation using molten salt systems. 3,336,413, 8–15–67, Cl. 260—680.

Benson, John O., to General Mills, Inc. Food processing apparatus. 3,313,247, 4–11–67, Cl. 107—7.

Benson, John O., and J. A. Merboth, to General Mills, Inc. Process for making shaped cereals. 3,332,781, 7–25–67, Cl. 99—81.

Benson, Kenneth B., and F. Davidoff, to Columbia Broadcasting System, Inc. Photographic video recording system having shutter bar compensation. 3,327,054, 6–20–67, Cl. 178—6.7.

Benson, Kenneth L., to General Electric Co. Plural remote controllers for plural motors using a common power connection. 3,355,643, 11–28–67, Cl. 318—55.

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Benson, Richard E., and E. A. La Lancette, to E. I. du Pont de Nemours and Co. Cyclononatetraenide salts and process of preparing. 3,297,756, 1–10–67, Cl. 260—567.6.

Benson, Robert C., to United States of America, Army. Laser generator. 3,315,177, 4–18–67, Cl. 331—94.5.

Benson, Warren E., Jr., to Forté Engineering Corp. Calibration means for a capacitance moisture-content measuring apparatus including a reference slug for introduction between capacitor plates. 3,311,823, 3–28–67, Cl. 324—61.

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Bentham, Frederick P., to The Strand Electric and Engineering Co. Ltd. Spotlights. 3,307,028, 2–28–67, Cl. 240—46.03.

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Bentley, John D. Method and apparatus for increasing the speed of clothes dryers. 3,319,347, 5–16–67, Cl. 34—32.

Bentley, John M., to Westinghouse Electric Corp. Counter employing tunnel-diode monostable circuit driving tunnel-diode bistable circuit for each stage. 3,307,046, 2–28–67, Cl. 307—88.5.

Bentley, John M., W. J. Lytle, and C. P. Holt, Jr., to Westinghouse Electric Corp. Analog to digital converter system. 3,316,546, 4–25–67, Cl. 340—347.

Bentley, Kenneth W., to Reckitt & Sons Ltd. 7,8-dihydro-3′,4′-disubstituted cyclohexeno-(1′,2′:14,8)-codeinones. 3,329,682, 7–4–67, Cl. 260—285.

Bentley-Leek, Herbert, to Saunders Valve Co. Ltd. Means for sealing a spindle. 3,351,351, 11–7–67, Cl. 277—115.

Bentley, Thomas A., and C. D. Jackson, to C. D. Jackson Mfg., Inc. Adjustable link. 3,319,488, 5–16–67, Cl. 74—586.

Bentley, William H., Jr., J. S. Kite, III, H. M. Morott, R. L. Nunnally, and D. H. Reinert, to Raychem Corp. Process for coating continuous flexible tubing. 3,359,357, 12–19–67, Cl. 264—173.

Bento, Robert, I. F. Barditch, and C. G. Brooks, to Westinghouse Electric Corp. Frequency selecting signal translation system utilizing a passive voltage network and an active regenerative amplifier. 3,333,207, 7–25–67, Cl. 330—38.

Bento, Robert, I. F. Barditch, and C. G. Brooks, to Westinghouse Electric Corp. Inductanceless frequency selective signal system utilizing transport delay. 3,359,504, 12–19–67, Cl. 330—38.

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Benton, Louis A., and R. M. Lambert, to Johns-Manville Corp. Rotary pump for pumping viscous slurry. 3,323,464, 6–6–67, Cl. 103—103.

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Bentov, Itzhak E. Pump. 3,313,240, 4–11–67, Cl. 103—151.

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Bentz, Erwin J. H., P. J. Costa, and C. E. Fulton, to Caterpillar Tractor Co. Flow sensing device. 3,359,385, 12–19–67, Cl. 200—81.9.

Bentz, Ronald J., and A. N. Laubscher, to United States Steel Corp. Method for the manufacture of tin plate. 3,331,230, 7–18–67, Cl. 72—42.

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Bentzman, Louis, to Quick-Chek Electronics and Photo Corp. Paper transport assembly. 3,341,194, 9–12–67, Cl. 271—45.

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Benz, Adolph. Ribbon pleating and heat pressing device. 3,333,559, 8–1–67, Cl. 112—134.

Benz, Adolph. Apparatus for glazing cakes. 3,339,524, 9–5–67, Cl. 118—24.

Benz, Erwin. Elastic closure for a container opening. 3,300,073, 1–24–67, Cl. 215—42.

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Benzel, Howard A., to Aviation Corp. Breathing apparatus exhalation valve with suction control. 3,348,538, 10–24–67, Cl. 128—142.

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Berardinelli, Frank M., and T. J. Dolce, to Celanese Corp. of America. Oxymethylene polymers stabilized with a combination of cyclic amidine compounds and amino substituted amides. 3,314,918, 4–18–67, Cl. 260—45.8.

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Berchtold, Glenn A., to E. I. du Pont de Nemours and Co. Polymers and process of making same. 3,314,922, 4–18–67, Cl. 260—77.5.

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Berck, William F., and L. J. Sundblom, to Rockwell Mfg. Co. Tax-computing metering device. 3,358,921, 12–19–67, Cl. 235—94.

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Berec, John F., and R. Bray, to Philco Ford Corp. Converter stage in which oscillator tuned circuit also serves as output load impedance for RF stage. 3,350,648, 10–31–67, Cl. 325—440.

Bereday, Sigmund. Furniture construction. 3,301,597, 1–31–67, Cl. 297—450.

Beregi, Laszlo G., and P. J. Hugon, to Societe en nom collectif dite; "Science Union et Cie Societe Francaise de'Recherche Medicale." Dicyclic sulfanylurea compounds. 3,334,-302, 8–1–67, Cl. 260—397.7.
Berenbaum, Morris B., to Thiokol Chemical Corp. Novel amino-polysulfide polymers and their reaction products with polyepoxides. 3,322,851, 5–30–67, Cl. 260—830.
Berenbaum, Morris B., E. Broderick, and R. C. Christena, to Thiokol Chemical Corp. Mercaptoethanol/mercaptopropanol copolymers and process. 3,317,486, 5–2–67, Cl. 260—79.
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Berg, Edward T. Metal covered roof with deformable sealing pads. 3,320,707, 5–23–67, Cl. 52—395.
Berg, Edward T. Arrangement for securing panels to the surface of a roof or wall. 3,339,329, 9–5–67, Cl. 52—395.
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Berger, Abe, to General Electric Co. Method for making organosilicon hydrides. 3,337,597, 8–22–67, Cl. 260—448.2.

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Berger, Allen L., R. Mason, and D. B. Pall, to Pall Corp. Filter. 3,308,958, 3–14–67, Cl. 210—487.

Berger, Arthur, and E. E. Borgaes, to Baxter Laboratories, Inc. Compositions and methods of treating convulsant seizures. 3,318,772, 5–9–67, Cl. 167—65.

Berger, Arthur, E. E. Borgaes, and J. C. Longstreet, to Baxter Laboratories, Inc. Halogenated and methylated-benzyl aminoguanidines. 3,336,385, 8–15–67, Cl. 260—564.

Berger, Barron D., to National Electric Welding Machines Co. Mechanical device. 3,344,647, 10–3–67, Cl. 72—354.

Berger, Bernard A., to Northern Electric Co. Ltd. Apparatus for component assembly. 3,299,494, 1–24–67, Cl. 29—203.

Berger, Bernard H., and P. M. Kerschner, to Cities Service Oil Co. Antifreeze composition. 3,350,316, 10–31–67, Cl. 252—75.

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Berger, Carl, to Douglas Aircraft Co., Inc. Method of making inorganic permselective membranes. 3,346,422, 10–10–67, Cl. 136—148.

Berger, Christian D., to The Hoover Co. Synchronous electric motor. 3,302,043, 1–31–67, Cl. 310—8.3.

Berger, Donald E., to Phillips Petroleum Co. Recovery and polymerization of hydrocarbon monomer. 3,296,241, 1–3–67, Cl. 260—94.2.

Berger, Emanuel, to Holophane Co., Inc. Luminaire refractor. 3,351,753, 11–7–67, Cl. 240—106.

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Berger, Frank M., F. Dursch, and B. J. Ludwig, to Carter-Wallace, Inc. Lowering blood cholesterol levels in warm-blooded animals with phenoxy-ethoxy or phenoxy-propoxy amine derivatives. 3,342,678, 9–19–67, Cl. 167—65.

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Berger, Howard H., to U.S. Ethicals, Inc. Sustained release composition. 3,344,029, 9–26–67, Cl. 167—82.

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Bergeson, Raymond L., and J. W. Schuck, to Honeywell Inc. Control apparatus. 3,338,261, 8–29–67, Cl. 137—386.

Bergeson, Richard P., to The Maytag Co. Drive system useful in a laundry apparatus. 3,339,423, 9–5–67, Cl. 74—217.

Bergeson, Richard P., and C. D. Cotton, to The Maytag Co. Clothes drier structure and control. 3,300,869, 1–31–67, Cl. 34—45.

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Berghaus, Bernhard, to Elektrophysikalische Anstalt Bernhard Berghaus. Apparatus for performing chemical and other processes under the action of gas ions. 3,324,027, 6–6–67, Cl. 204—312.

Berghaus, Bernhard, to IONON G.m.b.H. Method and apparatus for controlling glow discharge processes. 3,345,-280, 10–3–67, Cl. 204—164.

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Berghgracht, Marius. Process and apparatus for the continuous manufacture of boxes comprising a cardboard sheath folded flat around an inner tubular lining. 3,336,846, 8–22–67, Cl. 93—36.01.

Bergholdt, William, and E. W. Bauer, to Lockheed Aircraft Corp. Method of and apparatus for flattening sheet beryllium. 3,350,913, 11–7–67, Cl. 72—342.

Bergholm, Carl A., to Billeruds Aktiebolag, and Svenska Cellulosa Aktiebolaget. Pyrolysis of a spend sodium-based cellulose liquor. 3,333,917, 8–1–67, Cl. 23—48.

Bergholm, Carl A., G. E. Malm, J. Astrom, and K. F. Sylla, to Svenska Cellulosa Aktiebolaget. Process of dewatering sulphate pulp to contain less shives therein. 3,316,141, 4–25–67, Cl. 162—100.

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Bergkamp, Eugene W. Envelope construction. 3,295,747, 1–3–67, Cl. 229—86.

Bergles, Eduard. Speed-change gearing (gearing hub) for bicycles. 3,352,175, 11–14–67, Cl. 74—750.

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Bergman, Charles T., to The Maytag Co. Centrifugal fluid extraction. 3,339,732, 9–5–67, Cl. 210—78.
Bergman, Daniel T. Forging process and product therefrom. 3,314,278, 4–18–67, Cl. 72—377.
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Foias, Pavel, Enache, and Bergman. 3,310,304.
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Bergman, Elliot, and W. De Acetis, to Shell Oil Co. Process for curing polyepoxides and resulting products. 3,297,635, 1–10–67, Cl. 260—47.
Bergman, Henry P., J. C. Brixey, Jr., and D. E. Tschudi, to Texas Instruments Inc. Fast switching avalanche transistor high current. 3,319,138, 5–9–67, Cl. 317—235.
Bergman, Henry P., and R. W. Stiegler, Jr., to Texas Instruments Inc. Method of making a semiconductor by selective impurity diffusion. 3,341,381, 9–12–67, Cl. 148—187.
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Bergman, Lars, to Allmanna Svenska Elektriska Aktiebolaget. Impulse commutated inverter with controllable output voltage. 3,349,312, 10–24–67, Cl. 321—5.
Bergman, Michael E. Connector. 3,315,992, 4–25–67, Cl. 285—375.
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Bergman, Richard H., to Radio Corp. of America. Electrical circuit. 3,339,089, 8–29–67, Cl. 307—88.5.
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Bergman, Richard L., to Princeton Chemical Research Inc. Recovery of entrained solids from gases. 3,353,334, 11–21–67, Cl. 55—94.
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Bergougnou, Maurice A., to Esso Research and Engineering Co. Desulfurization of residual crudes. 3,320,156, 5–16–67, Cl. 208—244.
Bergquist, Arthur E. Filtering material and process. 3,330,-285, 7–11–67, Cl. 131—10.7.
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Bergrahm, Bengt G. F., to Messrs. LKB-Produkter AB. Process and apparatus for vertical zone electrophoresis. 3,326,-790, 6–20–67, Cl. 204—180.
Bergsman, Winston E., and I. W. Christensen, to General Electric Co. Shielded and interconnected circuit conductors. 3,305,622, 2–21–67, Cl. 174—35.
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Bergson, Gustav. Color measuring system using a light biased photocell. 3,340,764, 9–12–67, Cl. 88—14.
Bergson, Gustav. Gas drying apparatus. 3,344,852, 10–3–67, Cl. 165—71.
Bergson, Gustav, and P. Ketelsen; said Ketelsen assor. to Manufacturers Engineering. Oxygen analyzer. 3,316,166, 4–25–67, Cl. 204—195.
Bergstedt, Karl A., to AB Volvo Penta. Steering mechanism for inboard-outboard unit. 3,339,517, 9–5–67, Cl. 115—41.
Bergstein, Frank D., A. B. Kleingers, Jr., and L. Back, to Bergstein Packaging Trust. Method and means for controlling the consistency of casing compositions during casting. 3,309,438, 3–14–67, Cl. 264—37.
Bergstein, Leonard. Gardening device. 3,324,591, 6–13–67, Cl. 47—37.
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Bergstrom, Bertil M., W. W. Edens, and E. Revolinsky, to Allis-Chalmers Mfg. Co. Batch blender. 3,341,183, 9–12–67, Cl. 259—89.
Bergstrom, Eric V., to Mobil Oil Corp. Tankship mooring and loading system. 3,311,142, 3–28–67, Cl. 141—388.
Bergstrom, Eric V., to Mobil Oil Corp. In situ retorting method employed in oil shale. 3,316,020, 4–25–67, Cl. 299—2.
Bergstrom, Erik. Apparatus for use in laying pipe lines. 3,358,966, 12–19–67, Cl. 254—29.
Bergstrom, Ernst R., to Stora Kopparbergs Bergslags Aktiebolag. Arrangment in cutting bit holders. 3,298,107, 1–17–67, Cl. 33—185.
Bergstrom, Herman A., to Allied Chemical Corp. Copper complexes of sulfamylphenylpyrazolone monoazo dyestuffs. 3,306,890, 2–28–67, Cl. 260—147.
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Bergstrom, William C., deceased by R. W. Bergstrom, executor. Centrifugal separation system. 3,342,408, 9–19–67, Cl. 233—18.
Bergwerk, Jack E., to Stein, Hall & Co., Inc. Aqueous ammonium nitrate explosive slurries containing partially hydrolyzed acrylamide polymer. 3,341,383, 9–12–67, Cl. 149—60.
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Bergy, Malcolm E., J. H. Coats, L. J. Hanka, and L. E. Johnson, to The Upjohn Co. Kalamycin and method for preparation. 3,300,382, 1–24–67, Cl. 167—65.
Bergy, Malcolm E., T. E. Eble, J. S. Evans, R. R. Herr, R. W. Heinle, C. M. Large, and W. T. Sokolski, to The Upjohn Co. Streptovitacins. 3,305,554, 2–21–67, Cl. 260—281.
Bergy, Malcolm E., J. H. Coats, and F. Reusser, to The Upjohn Co. Antibiotic steffisburgensimycin and method of producing. 3,309,273, 3–14–67, Cl. 167—65.
Bergy, Malcolm E., and T. R. Pyke, to The Upjohn Co. Cremeomycin and process for making. 3,350,269, 10–31–67, Cl. 167—65.
Bergy, Malcolm E., and L. R. E. Johnson, to The Upjohn Co. Antibiotic lamondomycin and method of production. 3,359,-165, 12–19–67, Cl. 167—65.
Berhold, Edwin D., and R. C. Kinsell, to The Garrett Corp. Air conditioning system with means for preventing the formation of ice. 3,355,905, 12–5–67, Cl. 62—156.
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Berk, Sigmund, to United States of America, Army. Gas chromatography method for separation and identification of organic compounds. 3,333,400, 8–1–67, Cl. 55—67.
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Berke, Philip A., to Sutton Laboratory Inc. Magnesium sulfate stabilized choline salicylate. 3,297,529, 1–10–67, Cl. 167—65.
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Barringer, Donald F., Jr., and Berkelhammer. 3,338,909.
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Berkelhammer, Gerald, and R. W. Young, to American Cyanamid Co. Alkylenesulfonamides and method of preparing same. 3,300,529, 1–24–67, Cl. 260—556.
Berkelhammer, Gerald, and F. A. Wagner, Jr., to American Cyanamid Co. Warm-blooded animal systemic insecticidal. 3,341,409, 9–12–67, Cl. 167—53.
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Berkenblit, Melvin, G. Cheroff, F. Hochberg, and A. Reisman, to International Business Machines Corp. Process for fabricating reproducible photoconductors. 3,333,985, 8–1–67, Cl. 117—212.

Berker, Karl-August, to Gunther Papenmeier KG. Mixing implement for mixers. 3,337,193, 8–22–67, Cl. 259—107.

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Berkman, Jay F., J. A. Robbers, and W. E. Jones, to Chevron Research Co. Removal of H_2S and NH_3 from reaction effluents. 3,340,182, 9–5–67, Cl. 208—212.

Berkoff, Martin G. Convection heat booster. 3,324,938, 6–13–67, Cl. 165—39.

Berkovits, Barough V., to American Optical Co. Heart-beat pacing apparatus. 3,345,990, 10–10–67, Cl. 128—419.

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Berkowitz, George, 10% to A. B. Karas, 5% to M. Newman, and 5% to N. Mintz. Cleaning apparatus. 3,300,807, 1–31–67, Cl. 15—340.

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Berkowitz, Norbert, R. A. S. Brown, C. De Zeeuw, and E. J. Jensen, to Research Council of Alberta. Pump bypass method and apparatus for pipeline transportation systems. 3,339,984, 9–5–67, Cl. 302—14.

Berkowitz, Sidney: *See*—
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Berkowitz, Sidney, M. Meadow, and D. S. Bunin, to FMC Corp. Continuous process of synthesizing amino iminomethane. sulfinic acid. 3,355,486, 11–28–67, Cl. 260—513.7.

Berlant, George, to New Hermes Engraving Machine Corp. Circular engraving apparatus. 3,310,874, 3–28–67, Cl. 33—23.

Berlant, Sigmund. Cooking device provided with air curtain. 3,327,697, 6–27–67, Cl. 126—25.

Berlant, Sigmund F. Air curtain. 3,327,935, 6–27–67, Cl. 230—129.

Berler, Robert M., to American Machine & Foundry Co. Multiple elapsed time interval readout device. 3,352,099, 11–14–67, Cl. 58—39.5.

Berler, Robert M. Fluid dispenser. 3,352,463, 11–14–67, Cl. 222—321.

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Berlin, Abe. Hat-size reducer. 3,321,775, 5–30–67, Cl. 2—183.

Berlin, Norton H., to Esso Research and Engineering Co. Vacuum cycle adsorption. 3,313,091, 4–11–67, Cl. 55—58.

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Biegler, Hanns, W. Neugebauer, and H. Kempers, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Production of finely divided amorphous silica. 3,311,451, 3–28–67, Cl. 23—182.
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Gustavson, Marvin R., Sawle, and Biehl. 3,298,920.
Hengel, Mathew C., Biehl, and Mainhardt. 3,318,188.
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Biehl, Arthur T., and R. Mainhardt. Underwater weapon. 3,313,207, 4–11–67, Cl. 89—1.813.
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Biehl, Arthur T., and R. Mainhardt, to MB Associates. Nozzle insert. 3,343,766, 9–26–67, Cl. 244—3.23.
Biehl, Arthur T., and R. Meinhardt, to MB Associates. Method of manufacturing a miniature rocket. 3,345,902, 10–10–67, Cl. 86—1.
Biehl, Heinrich. Method of freeing pigs from sicknesses which are transferred to the piglets from the mother sow. 3,303,818, 2–14–67, Cl. 119—1.
Biehl, Heinrich. Apparatus for the preparation of a fodder mixture for subsequent ensilage. 3,316,830, 5–2–67, Cl. 99—235.
Biehl, Heinrich. Cleaning apparatus for cages. 3,343,522, 9–26–67, Cl. 119—22.
Biehl, Heinrich. Feeding devices for animals, more especially pigs. 3,359,947, 12–26–67, Cl. 119—51.12.
Biehl, Richard E., to Curtiss-Wright Corp. Concatenated series of propellant charges. 3,302,568, 2–7–67, Cl. 102—34.5.
Biel, John H., to Colgate-Palmolive Co. Phenylalkylhydrazine compositions. 3,334,017, 8–1–67, Cl. 167—65.
Biel, John H., to Aldrich Chemical Co., Inc. N(aryl) N(hydrocarbyl)-ω-(4-phenyl-4-piperidinocarbonyl heteroamine) alkano amide. 3,334,106, 8–1–67, Cl. 260—294.
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Biel, John H., and H. B. Hopps, to Aldrich Chemical Co., Inc. N-cyclopropyl amides of 4-phenyl piperidino-alkanoic acids. 3,301,862, 1–31–67, Cl. 260—293.4.
Biel, John H., and C. E. Aiman, to Aldrich Chemical Co., Inc. 2,6-bis(aminoalkyl)-3-piperidinols. 3,310,567, 3–21–67, Cl. 260—294.7.
Biel, John H., and E. Jaeger, to Aldrich Chemical Co., Inc. 4-hydroxy-3-pyrrolidinemethanols. 3,312,716, 4–4–67, Cl. 260—326.5.
Biel, John H., and E. R. Jaeger, to Aldrich Chemical Co., Inc. Substituted N-propargyloxy-phthalimide. 3,337,560, 8–22–67, Cl 260—294.
Biel, John H., and H. B. Hopps, to Aldrich Chemical Co., Inc. N-phenyl amides of 4-phenyl-4-hydroxy-piperidino alkyl acids. 3,350,403, 10–31–67, Cl. 260—294.
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Bielstein, George P. R., and A. P. Martin; said Bielstein assor. to British Insulated Callender's Cables Ltd, and said Martin assor. to Telcon Metals Ltd. Temperature sensing means and method for electric cables. 3,347,098, 10–17–67, Cl. 73—342.
Bielstein, Walter J., to Esso Production Research Co. Completion of wells. 3,307,626, 3–7–67, Cl. 166—4.
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Bien, Alfred A., to Chrysler Corp. Nut with resilient arms. 3,314,465, 4–18–67, Cl. 151—41.75.
Bien, Alfred A., to Chrysler Corp. Self-threading nut. 3,350,-975, 11–7–67, Cl. 85—32.
Bien, Hans-Samuel, K. Wunderlich, and F. Baumann, to Farbenfabriken Bayer Aktiengesellschaft. Water-insoluble 4-hydroxy coumarin monoazo dyestuffs. 3,344,132, 9–26–67, Cl. 260—152.
Bienenfeld, Norman, B. H. Abedon, R. E. Primeau, and A. I. Blackman, to The Alumiline Corp. Entrance construction. 3,307,294, 3–7–67, Cl. 49—381.
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Bieri, David, to National Gypsum Co. Process of making a gypsum wallboard having a decreased starch content in the gypsum core. 3,307,987, 3–7–67, Cl. 156—41.

Bieri, Hans. Cylinder and piston arrangement. 3,313,215, 4–11–67, Cl. 92—86.

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Bierlich, Johannes H. Valance and curtain or drapery supports. 3,347,304, 10–17–67, Cl. 160—19.

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Biermann, Wendell J., to Beryloy Ltd. (no personal liability). Method for the chemical beneficiation of berylite. 3,295,962, 1–3–67, Cl. 75—115.

Biermann, Wendell J. Absorption refrigeration systems. 3,316,728, 5–2–67, Cl. 62—112.

Biermann, Wendell J. Absorption refrigeration systems. 3,316,736, 5–2–67, Cl. 62—502.

Biermann, William A. : *See*—
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Bies, Frank R., and R. A. Sykes, to Bell Telephone Laboratories, Inc. T-network having single center-tapped high-Q inductor in its series branches and a low-Q inductor in shunt. 3,344,369, 9–26–67, Cl. 333—72.

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Biesenbach, Ginn. Ignition spark wheels. 3,314,134, 4–18–67, Cl. 29—159.

Biesma, Louw A., and J. Moerman, to North American Philips Co., Inc. Coil and lead-in wire connection. 3,315,198, 4–18–67, Cl. 336—192.

Biet, Alfred G. P., to Societe Anonyme : Etablissements Kuhlmann. Cyclic process for the recovery of bromine from mixtures of hydrobromic and sulfuric acids. 3,305,316, 2–21–67, Cl. 23—216.

Biet, Jean-Pierre, to Compagnie Generale d'Electricite. Gate-controlled turn-on and turn-off symmetrical semi-conductor switch having single control gate electrode. 3,337,750, 8–22–67, Cl. 307—88.5.

Biet, Jean-Pierre, to Compagnie Generale d'Electricite. Control and regulation device including a semiconductor of symmetrical blocking-unblocking type. 3,346,802, 10–10–67, Cl. 323—4.

Biet, Jean-Pierre, and J. Chaupit, to Compagnie Generale d'Electricite. Device comprising a semiconductor switch for adusting the power supplied to an electric apparatus by an alternating-current source. 3,333,182, 7–25–67, Cl. 323—22.

Biet, Jean-Pierre, and J. Chaupit, to Compagnie Generale d'Electricite. Device for adjusting the consumption of and protecting an apparatus supplied with alternating current. 3,355,657, 11–28–67, Cl. 323—22.

Biezunski, Georges, J. Maugest, and R. Peres, to Compagnie Generale d'Automatisme, Societe Octel, and Compagnie d'Applications et Recherches Atomiques. Device for the mixing of liquids. 3,353,711, 11–21–67, Cl. 222—28.

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Bigelow-Sanford, Inc. : *See*—
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Biggam, Frank D., to Teletype Corp. Relay flip-flop circuit. 3,351,819, 11–7–67, Cl. 317—140.

Biggar, Allan M. : *See*—
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Biggar, Allan M. Method for extracting the elemental chemical constituents of low grade ores and of various other substances. 3,343,945, 9–26–67, Cl. 75—1.

Bigge Drayage Co. : *See*—
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Biggers, Howard O. : *See*—
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Biggs, Ariel C., and M. R. Turner, to Angeles Metal Trim Co. Metal internal-wall structure for shelf supporting brackets and wallboard 3,305,981, 2–28–67, Cl. 52—36.

Biggs, Ernest R., Jr., and R. Arganbright. Weighted training spat. 3,306,610, 2–28–67, Cl. 272—57.

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Bigiel, Max, to Maschinenfabrik Memmingen Ingenieur Theodor Otto. Take-up reel for a flyer twisting machine or a cable-making machine. 3,357,169, 12–12–67, Cl. 57—70.

Bigland, Bernard K., to General Engineering Co., (Radcliffe) Ltd. Extruders. 3,295,164, 1–3–67, Cl. 18—12.

Bigland, Bernard K., to Bemis Co., Inc. Manufacture of plastic film. 3,307,219, 3–7–67, Cl. 18—14.

Bigler, Allen R. Extensible carrier for a parking apparatus. 3,318,469, 5–9–67, Cl. 214—95.

Bigler, Theodore G., to Westinghouse Electric Corp. Delicate object container mounted on dryer door. 3,344,532, 10–3–67, Cl. 34—133.

Biglin, Duane O., to Owens-Illinois, Inc. Container and venting closure cap for same. 3,339,786, 9–5–67, Cl. 220—44.

Biglin, Duane O., to Owens-Illinois, Inc. Container and closure cap for same. 3,339,792, 9–5–67, Cl. 220—60.

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Bignell, Frederick A., and C. W. Crosby, to Emporium Specialties Co., Inc. Apparatus for producing headed wire forms. 3,301,033, 1–31–67, Cl. 72—294.

Bignell, Frederick A., and G. B. Erskin, to Emporium Specialties Co., Inc. Cable insulation stripping apparatus. 3,316,781, 5–2–67, Cl. 81—9.51.

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Bigsby, Paul V., Jr., and B. Stilwell, to Snyder Paper Corp. Slitting method and apparatus. 3,298,263, 1–17–67, Cl. 83—4.

Biguenet, Charles, to CFS-Compagnie Generale de Telegraphie Sana Fil. Low-noise type traveling wave tube with an electrostatic field retarding spurious electron flow. 3,325,669, 6–13–67, Cl. 315—3.5.

Bihlmaier, Oakar, to Voigtlander, A.G. Electronic flash assemblies for photographic purposes. 3,358,573, 12–19–67, Cl. 95—11.0.

Bihlmire, Otto L. Hub construction for boat propellers. 3,307,634, 3–7–67, Cl. 170—160.54.

Bihlmire, Otto L. Marine propeller. 3,318,388, 5–9–67, Cl. 170—160.5.

Bijvoet, Leonardus A. N., to Inland Steel Co. Method and apparatus for forming a plurality of axially spaced beads in a hollow, substantially cylindrical sheet metal blank. 3,349,600, 10–31–67, Cl. 72—393.

Bijvoet, Leonardus A. N., to Inland Steel Co. Reinforcement structure for shipping containers made of light gauge steel or the like. 3,349,952, 10–31–67, Cl. 220—67.

Bikales, Norbert M., to American Cyanamid Co. Flotation process with cyanovinyl dithiocarbamates. 3,298,520, 1–17–67, Cl. 209—165.

Bikales, Norbert M., to American Cyanamid Co. Flotation process with 2-cyanovinyl alkylxanthates. 3,301,400, 1–31–67, Cl. 209—166.

Bikales, Norbert M., to American Cyanamid Co. Flotation process with cyanoethyl alkylxanthate esters. 3,353,671, 11–21–67, Cl. 209—166.

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Bila, Peter C., to Trico Products Corp. Bearing assembly. 3,316,033, 4–25–67, Cl. 308—26.

Bilaisis, Viktoras. Packaging machine. 3,309,840, 3–21–67, Cl. 53—243.

Bilane, Roland B., to Johnson & Johnson. Apparatus for continuously folding and cutting off web material. 3,337,211, 8–22–67, Cl. 270—76.

Bilbao, Benjamin. Apparatus to serve in game, toy, educational and display devices. 3,326,552, 6–20–67, Cl. 273—1.

Bilbrey, Robert A., to Benjamin W. West, d.b.a., California Controls Co. Acceleration responsive device. 3,307,394, 3–7–67, Cl. 73—71.

Bilbro, James E., to Thermon Mfg. Co. Electric pipe heater. 3,331,946, 7–18–67, Cl. 219—535.

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Bilde, Tord E. D., to Aktiebolaget Electrolux. Surface treating apparatus. 3,354,488, 11–28–67, Cl. 15—49.
Bilderback, Robert R., to United States of America, National Aeronautics and Space Administration. Amplitude modulated laser transmitter. 3,341,708, 9–12–67, Cl. 250—199.
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Biles, Jerry W., and J. A. King, to Cities Service Oil Co. Method and composition for improving and maintaining the capacity of water injection wells. 3,335,793, 8–15–67, Cl. 166—9.
Bilezerian, Oscar A. Packaged treated tissues. 3,325,003, 6–13–67, Cl. 206—57.
Bilisoly, Julius P., to Esso Research and Engineering Co. Synthetic crystalline zeolite compositions and preparation thereof. 3,322,690, 5–30–67, Cl. 252—455.
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Wilde, Geoffrey L., Bill, and Coplin. 3,299,632.
Wilde, Geoffrey L., Bill, Steel, and Newton. 3,325,144.
Bill, Arthur, and T. Steel, to Rolls-Royce Ltd. Axial fluid flow machine such as a compressor or turbine. 3,339,833, 9–5–67, Cl. 230—133.
Bill, Arthur, T. Steel, and M. Poucher, to Rolls-Royce Ltd. Aerofoil-shaped fluid-cooled blade for a fluid flow machine. 3,353,351, 11–21–67, Cl. 60—39.65.
Billarant, Jean. Machine for producing separable fastening elements. 3,345,688, 10–10–67, Cl. 18—5.
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Billawala, Shahbuddin A., to Burroughs Corp. Mounting and actuating apparatus for a magnetic head. 3,320,599, 5–16–67, Cl. 340—174.1.
Bille, Heinz, H. Distler, G. Dittus, W. Mueller, and W. Ruettiger, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Modification of cellulose with letra-sulfatoesters of disulfonium salts. 3,346,325, 10–10–67, Cl. 8—120.
Bille, Kenneth L., S. R. Newman, and R. R. Heisler, to Texaco Inc. Anti-stalling motor fuel. 3,325,260, 6–13–67, Cl. 44—58.
Billeb, Clyde K., to Milprint, Inc. Method and apparatus for wrapping deformable articles. 3,328,936. 7–4–67, Cl. 53—28.
Biller, Efim, G. Nettesheim, and G. Stern, to Union Rheinische Braunkohlen Kraftstoff Aktiengesellschaft. Process for the product of hydrated olefins. 3,355,501, 11–28–67, Cl. 260—614.
Biller, William P., and C. W. Skarstrom, to Esso Research and Engineering Co. Process and device for preventing evaporation loss. 3,352,294, 11–14–67, Cl. 123—136.
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Billeter, Henry R., to Sloan Valve Co. Double acting slack adjuster. 3,326,335, 6–20–67, Cl. 188—202.
Billeter, Henry R., to Sloan Valve Co. Braking arrangement for railway trailer cars. 3,337,011, 8–22–67, Cl. 188—197.
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Billi, Giorgio. Circular-knitted stockings and method. 3,320,774, 5–23–67, Cl. 66—182.
Billi, Walter, to Montecatini Edison S.p.A. Process and device for quenching and removing tars and carbon black from a pyrolysis gas obtained in the production of acetylene. 3,315,005, 4–18–67, Cl. 260—679.
Billig, Franklin A.: *See*—
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Billin, Arthur G.: *See*—
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Billinghurst, John E. W., to Burroughs Wellcome & Co. (U.S.A.) Inc. 2-(2-picolylamino)-2-imidazoline derivatives. 3,359,274, 12–19–67, Cl. 260—296.
Billings, Bruce H., to Baird-Atomic, Inc. Electro-optic valve with polarizing beam splitter and reinforcement. 3,346,319, 10–10–67, Cl. 350—150.
Billings, Ira J., to Automatic Sprinkler Corp. of America. Interlocking handles for a fire extinguisher. 3,356,149, 12–5–67, Cl. 169—30.
Billings, Miro, to The Dow Chemical Co. Plastic bottle blowing and reaming apparatus. 3,339,229, 9–5–67, Cl. 18—5.
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Billingsley, John G. S., H. E. Ramsey, and P. G. Stephan, to E. I. du Pont de Nemours and Co. Apparatus and process for packaging articles in shrinkable films. 3,295,290, 1–3–67, Cl. 53—28.
Billingsley, John G. S., J. J. D'Angelo, A. Lubisco, F. G. Maros, and P. G. Stephan, to E. I. du Pont de Nemours and Co. Apparatus for heat-sealing films. 3,338,770, 8–29–67, Cl. 156—359.
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Bills, Charles T., and P. A. Yurcick, to Ashland Oil & Refining Co. Resinous foundry core binder. 3,346,534, 10–10–67, Cl. 260—39.
Bills, Daniel G., and K. A. Warren, to Granville-Phillips Co. Ultra-high vacuum coupling and gasket subassembly therefor. 3,298,719. 1–17–67, Cl. 285—336.
Bills, Daniel G., and K. A. Warren, to Granville-Phillips Co. High vacuum cold trap. 3,304,731, 2–21–67, Cl. 62—55.5.
Bills, William T., and H. G. Seitz, to United States Rubber Co. Collapsible drum. 3,297,511, 1–10–67, Cl. 156—420.
Billson, Frederick W., to Sanders Valve Co. Ltd. Seating ring for valves for the control of fluids. 3,346,233, 10–10–67, Cl. 251—172.
Billue, Robert F., to Thiele Kaolin Co. Fractured clay. 3,343.973, 9–26–67, Cl. 106—288.
Bilnor Corp.: *See*—
Schatzki, Erich, Schleeweiss, and Richardson. 3,315,-278.
Schleeweiss, Robert. 3,302,825.
Bilocq, Georges A., to Forano Limitee. Long log ejector. 3,329,251, 7–4–67, Cl. 198—24.
Bilodeau, Lucien J. Hook bracket for apertured board. 3,319,917, 5–16–67, Cl. 248—225.
Bilotti, Anthony G., to Warner-Lambert Pharmaceutical Co. Sugarless gum. 3,352,689, 11–14–67, Cl. 99—135.
Bily, Peter J., to FMC Corp. Fluid transferring arm. 3,340,-907, 9–12–67, Cl. 141—387.
Bimba, Charles W. Fluid motor with removable-locking end closure unit. 3,334,773, 8–8–67, Cl. 220—39.
Bimber, Russell M., to Diamond Alkali Co. Polychloro derivatives of mono and di-cyano pyridines and a method for their preparation. 3,325,503, 6–13–67, Cl. 260—294.9.
Bimberg, Elmer M., to The Bendix Corp. Carburetor. 3,333,-833, 8–1–67, Cl. 261—41.
Bina, Robert A., to Sperry Rand Corp. Data processing system. 3,302,177, 1–31–67, Cl. 340—172.5.
Binaghi, Marco: *See*—
Natta, Giulio, Mazzanti, Pregaglia, and Binaghi. 3,337,-502.
Natta, Giulio, Pregaglia, Mazzanti, and Binaghi. 3,351,-613.
Binder, Burton A., to Binder & Lark Building Co. Self-leveling drain inlet. 3,311,129, 3–28–67, Cl. 137—578.
Binder, Georg, to Robert Bosch, G.m.b.H. Three-phase generator with direct current output. 3,329,840, 7–4–67, Cl. 310—68.
Binder, Georg, W. Ehrmann, and H. Mittag, to Robert Bosch, G.m.b.H. Three-phase generator. 3,329,841, 7–4–67, Cl. 310—68.
Binder, Hans: *See*—
Sulo, Jozef, and Binder. 3,306,943.

Binder, Hans, H. Mayr, J. Sulo, and J. Turowski, to Rutgerswerke und Teerverwertung Aktiengesellschaft. Process for preparing 1,3-dimethyl-4-isopropylbenzol and 1,3-dimethyl-4,6-diisopropylbenzol. 3,337,647, 8–22–67, Cl. 260—671.
Binder, Herbert: *See*—
Hanna, Samuel C., Binder, and Johnson. 3,310,694.
Binder, Horst: *See*—
Sandstede, Gerd, Binder, Kohling, and Richter. 3,350,200.
Binder & Lark Building Co.: *See*—
Binder, Burton A. 3,311,129.
Binder, LeRoy: *See*—
Rockland, Louis B., Hayes, Metzler, and Binder. 3,318,-708.
Binder Magnete K.G.: *See*—
Binder, Wilhelm, Hauer, and Oberecker. 3,301,365.
Binder, Pierre, and Y. J. F. Lecouffe, to Societe des Accumulateurs Fixes et de Traction. Electric cells with spiral wound electrodes. 3,298,871, 1–17–67, Cl. 136—175.
Binder, Richard, and W. Herold, to Fichtel & Sachs A.G. Clutch release bearing assembly. 3,357,529.
Binder, Richard J., to Monsanto Co. Apparatus and process for preparing semiconductor rods. 3,321,299, 5–23–67, Cl. 75—10.
Binder, Rolf, H. Lamparter, and P. Staheli, to Rieter Machine Works Ltd. Automatic carding and drawing assembly. 3,300,817, 1–31–67, Cl. 19—.21.
Binder, Rolf, and P. Staheli, to Rieter Machine Works Ltd. Automatic can changer. 3,323,177, 6–6–67, Cl. 19—159.
Binder, Wilhelm, R. Hauer, and W. Oberecker, to Binder Magnete K.G. Electromagnetically actuating clutches. 3,301,-365, 1–31–67, Cl. 192—84.
Binderman, Walter. Extendable and shortenable candle. 3,308,638, 3–14–67, Cl. 67—55.
Bindernagel, Ali: *See*—
Kost, Erwin, and Bindernagel. 3,331,238.
Binding, Kenneth W., to Market Forge Co. Safety belt take-up. 3,323,834, 6–6–67, Cl. 297—388.
Binding, Kenneth W., to Market Forge Co. Self-winding seat belt reel. 3,337,155, 8–22–67, Cl. 242—107.
Binding, Kenneth W., to Market Forge Co. Ski boot fastening. 3,345,704, 10–10–67, Cl. 24—70.
Bindler, Jakob: *See*—
Schlapfer, Hans, and Bindler. 3,309,366.
Bindler, Jakob, and A. Pugin, to J. R. Geigy, A.G. Process for dyeing polyamide textile materials and auxiliaries therefor. 3,307,901, 3–7–67, Cl. 8—54.
Bindler, Jakob, and E. Durr, to J. R. Geigy A.G. Process for the dyeing of polyacrylonitrile fibers. 3,355,243, 11–28–67, Cl. 8—55.
Bindler, Leonard, to Cosmetically Yours, Inc. Cosmetic product package. 3,341,006, 9–12–67, Cl. 206—78.
Bindszus, William. Automatic cutter grinder. 3,304,660, 2–21–67, Cl. 51—56.
Bines, Robert H.: *See*—
Fox, Harvey M. 3,325,711.
Bing, Herbert A.: *See*—
Finelli, Patrick L., and Bing. 3,350,990.
Bing, Herbert A., and P. Boone, to Polaroid Corp. Camera apparatus. 3,295,425, 1–3–67, Cl. 95—11.
Bing, Herbert A., W. L. Hanna, and D. S. Wilson, to Polaroid Corp. Apparatus for withdrawing film units from a film pack. 3,316,824, 5–2–67, Cl. 95—1.
Bingeman, Wilbur H., T. W. Blickwedel, and L. R. Wanner, to Sylvania Electric Products Inc. Multiple cell container. 3,320,095, 5–16–67, Cl. 136—166.
Bingham, Alan E., to Vickers-Armstrongs (Engineers) Ltd. Air-cushion borne vehicles. 3,302,738, 2–7–67, Cl. 180—7.
Bingham, Clifford R., to Honeywell Inc. Thermocouple comprising intimately twisted wires. 3,317,353, 5–2–67, Cl. 136—233.
Bingham, Francis R.: *See*—
Dortort, Isadore K., and Bingham. 3,302,122.
Bingham, Francis R., to I-T-E Circuit Breaker Co. Base load circuit for semiconductor rectifier. 3,344,359, 9–26–67, Cl. 330—8.
Bingham, George H., to Cambridge Rubber Co. Method of making outer soles for footwear. 3,303,250, 2–7–67, Cl. 264—145.
Bingham, Kenneth C. A., P. Mossman, D. M. Rushmer, and M. Williams, to The General Electric Co. Ltd. Thin film magnetic storage device. 3,325,792, 6–13–67, Cl. 340—174.
Bingham, Markham R.: *See*—
Bingham, Richard S. and M. R. 3,342,364.
Bingham, Richard. Weed killing apparatus. 3,299,842, 1–24–67, Cl. 111—7.2.
Bingham, Richard S. and M. R. Bulk handling container construction. 3,342,364, 9–19–67. Cl. 217—69.
Bingham, Sidney H. Motor mounting means. 3,325,126, 6–13–67, Cl. 248—2.
Bingham, Sidney H. Railroad track with braking surfaces for high speed trains. 3,339,675, 9–5–67, Cl. 188—43.
Bingham, Sidney H. Guideway for high-speed mass transportation systems. 3,345,952, 10–10–67, Cl. 104—124.
Bingham, William H. Cable duct installation tool. 3,347,521, 10–17–67, Cl. 254—29.
Bingham, William L., and E. W. Kammer, to United States of America, Navy. Method for determining direction and magnitude of residual stresses in structures. 3,336,834, 8–22–67, Cl. 88—14.
Bingham, William R.: *See*—
Barton, Oliver A., and Bingham. 3,345,315.
Bingmann, Waldemar, and E. Behr, to Dynamit Nobel Aktiengesellschaft. Electrically insulating rail joint connections. 3,344,990, 10–3–67, Cl. 238—159.
Bini, Riccardo. Continuous bread-making machine. 3,349,725, 10–31–67, Cl. 107—36.
Binkley, Howard M. Self-reaming rock drill coupling. 3,313,-364, 4–11–67, Cl. 175—325.
Binks Mfg. Co.: *See*—
Baur, John W., and Jones. 3,330,217.
Binks, Melvin J. Yieldable and releasable pin hole detector edge light shield assembly. 3,341,709, 9–12–67, Cl. 250—237.
Binnall, Eugene P.: *See*—
Soule, Winsor, Jr., and Binnall. 3,348,215.
Soule, Winsor, Jr., and Binnall. 3,353,163.
Binning, Robert C.: *See*—
Bowe, Leon E., Binning, and Null. 3,337,619.
Bowe, Leon E., Binning, and Null. 3,350,418.
Null, Harold R., Bowe, and Binning. 3,335,179.
Null, Harold R., Bowe, and Binning. 3,350,419.
Binning, Robert C., to Monsanto Co. Production and recovery of oxygenated hydrocarbons by plural distillation. 3,350,-415, 10–31–67, Cl. 260—348.5.
Binning, Robert C., and G. F. Crum, to Monsanto Co. Extraction distillation of olefin oxides with a hydrocarbon solvent. 3,337,425, 8–22–67, Cl. 203—52.
Binning, Robert C., H. R. Null, and S. L. Reid, to Monsanto Co. Preparation and recovery of acetic acid. 3,337,620, 8–22–67, Cl. 260—533.
Binning, Robert C., and G. F. Crum, to Monsanto Co. Extractive distillation of olefin oxides with a paraffin or paraffin naphtha solvent. 3,338,800, 8–29–67, Cl. 203—52.
Binning, Robert C., H. R. Null, and S. L. Reid, to Monsanto Co. Production and recovery of oxygenated hydrocarbons by plural distillation. 3,350,416, 10–31–67, Cl. 260—348.5.
Binning, Robert C., and H. R. Null, to Monsanto Co. Production and recovery of propylene oxide by plural stage distillation and caustic addition. 3,350,417, 10–31–67, Cl. 260—348.5.
Binning, Robert C., L. E. Bowe, and H. R. Null, to Monsanto Co. Production and recovery of oxygenated hydrocarbons by plural distillation. 3,350,421, 10–31–67, Cl. 260—348.5.
Binning, Robert C., L. E. Bowe, and H. R. Null, to Monsanto Co. Production and recovery of acetic acid by plural distillation. 3,350,445, 10–31–67, Cl. 260—533.
Binnis, Kenneth, to British Titan Products Co. Ltd. Corrosion-inhibiting titanium dioxide pigments. 3,345,187, 10–3–67, Cl. 106—14.
Binns, Jack N. Recirculating bearing arrangement. 3,311,-426, 3–28–67, Cl. 308—6.
Binns, Jack N., C. E. Clutter, and R. G. Heaton, said Clutter and said Heaton assors. to said Binns. Apparatus for chucking workpieces. 3,302,499, 2–7–67, Cl. 82—40.
Binns, John W.: *See*—
Crosswell, Flay D., and Binns. 3,352,585.
Binns, Philip G., to Rolls-Royce Ltd. Rocket propulsion motors. 3,355,888, 12–5–67, Cl. 60—223.
Binsbergen, Frederik L., to Shell Oil Co. Polymer crystallization 3,326,880, 6–20–67, Cl. 260—93.7.
Binsbergen, Frederik L., to Shell Oil Co. Polymer crystallization. 3,327,020, 6–20–67, Cl. 260—878.
Binsbergen, Frederik L., and P. W. O. Wijga, to Shell Oil Co. Polymer composition and preparation. 3,299,029, 1–17–67, Cl. 260—93.7.
Binsbergen, Frederik L., to Shell Oil Co. Polymer crystallization method. 3,327,021, 6–20–67, Cl. 260—878.
Binstead, Dennis R.: *See*—
Scarr, George E., and Binstead. 3,350,750.
Binvignat, Rene G. Dismountable fishing rod. 3,310,903, 3–28–67, Cl. 43—18.
Binvignat, Rene G. Device for fastening a rell on a fishing-rod and fishing-rod provided with this device. 3,310,904, 3–28–67, Cl. 43—22.
Binzenhofer, Alfred, to International Standard Electric Corp. Assembly of printed circuit boards. 3,327,175, 6–20–67, Cl. 317—101.
Binzer, Ignaz: *See*—
Von Hessert, Frederick, and Binzer. 3,297,760.
Biochemie Gesellschaft mit beschrankter Haftung: *See*—
Brandl, Ernst, Schmid, and Steiner. 3,337,415.
Bioconsultants Inc.: *See*—
Farr, Andrew F. 3,327,898.
Farr, Andrew F. 3,355,098.
Bio-Dynamics, Inc.: *See*—
Degelman, John. 3,344,259.
Biofarma, Seine: *See*—
Servier, Jacques. 3,305,445.
Biolik, Alexander. Adjustable sick-bed bolster. 3,333,286, 8–1–67, Cl. 5—327.
Biological Research, Inc.: *See*—
Plumpe, William H., Jr. 3,341,758.
Weichselbaum, Theodore E. 3,295,523.
Bio Metals Corp. Ltd.: *See*—
Maylang, Albert A. 3,347,661.
Biorex Laboratories Ltd.: *See*—
Davies, William A. M. 3,311,613.
Gottfried, Siegfried, and Baxendale. 3,328,246.
Biotronics, Inc.: *See*—
Mackay, Ralph S. 3,330,152.
Birch, David W., and K. F. Hebdon, to Delevan Electronics Corp. Automatic winding machine. 3,348,782, 10–24–67, Cl. 242—9.

Birch, Frederick W.: *See*—
Hoffmann, Erwin L. H., and Birch. 3,358,141.
Birch, Ian H., to Adolph Gottscho, Inc. Marking apparatus. 3,304,856, 2–21–67, Cl. 101—27.
Birchall, John M.: *See*—
Haszeldine, Robert N., Banks, and Birchall. 3,359,267.
Haszeldine, Robert N., and Birchall. 3,321,531.
Haszeldine, Robert N., Birchall, and Umfreville. 3,310,-543.
Birchall, Thomas M., and R. St. J. Richards, to Production Engineering Research Assn. of Great Britain. Dynamometers. 3,298,224, 1–17–67, Cl. 73—134.
Birchenough, James M. P., to International Standard Electric Corp. Electro-optical intelligence storage apparatus. 3,310,788, 3–21–67, Cl. 340—173.
Bird, Dennis W., O. S. Johnson, H. R. Bennett, and G. D. Leeder, to Associated Electrical Industries Ltd. Electric trailing cables with failure limiting means. 3,322,889, 5–30–67, Cl. 174—113.
Bird Electronics Corp.: *See*—
Calderhead, Henry J., and Puljer. 3,296,560.
Scott, Robert J. 3,356,916.
Stevens, Harold E. 3,312,926.
Stevens, Harold E., and Lesyk. 3,300,737.
Bird, Forrest M., and H. L. Pohndorf. Pressure and volume limiting ventilating apparatus. 3,331,368, 7–18–67, Cl. 128—145.8.
Bird, Forrest M., and H. L. Pohndorf. Volume limiting ventilating apparatus. 3,347,228, 10–17–67, Cl. 128—145.8.
Bird, Forrest M., and H. L. Pohndorf. Nebulizer. 3,353,536, 11–21–67, Cl. 128—194.
Bird, George R. to Polaroid Corp. Radiation responsive apparatus for monitoring a web. 3,325,649, 6–13–67, Cl. 250—219.
Bird, George R., and W. E. Gray, Jr., to Polaroid Corp. Inert lamp reflector. 3,325,666, 6–13–67, Cl. 313—113.
Bird, Jack R., M. A. Wheeler, and G. W. Meetham, to Rolls-Royce Ltd. Solution treatment of nickel-chromium-cobalt alloys. 3,333,996, 8–1–67, Cl. 148—162.
Bird, Joseph J., and M. H. Comer, to Alamance Industries, Inc. Pick and run resistant stocking and method of forming same. 3,301,017, 1–31–67, Cl. 66—178.
Bird, Joseph W., to Elco Corp. Connector for thin film circuits. 3,315,217, 4–18–67, Cl. 339—176.
Bird Machine Co.: *See*—
Baker, Donald B. 3,347,463.
Baker, Donald B., and Nelson. 3,300,374.
Cook, Horace F. 3,321,131.
Ferney, Francis X. 3,348,767.
Reynolds, Eugene F., and Kleimola. 3,316,143.
Troland, Edwin P. 3,306,444.
Bird & Son, Inc.: *See*—
Sallie, Stanley H., and Olson. 3,304,676.
Bird, Walter J., to British Aircraft Corp. (Operating) Ltd. Mechanisms incorporating recirculating ball screw-jacks. 3,304,794, 2–21–67, Cl. 74—409.
Bird, Walter W., to Birdair Structures Inc. Air inflated structures. 3,346,441, 10–10–67, Cl. 161—36.
Bird, Walter J., to British Aircraft Corp. (Operating) Ltd. Aeroplanes having wings pivotable in sweep. 3,356,317, 12–5–67, Cl. 244—46.
Bird, Walter W., and G. F. Reitmeier, Jr., to United States of America, Air Force. Support with adjusting means. 3,325,-887, 6–20–67, Cl. 29—256.
Birdair Structures Inc.: *See*—
Bird, Walter W. 3,346,441.
Birdsall, Charles K., to The Regents of the University of California. Two-stream cyclotron wave amplifier. 3,346,819, 10–10–67, Cl. 330—44.
Birdsboro Corp.: *See*—
Gartrell, John T. 3,357,146.
Metzger, Wilford E., Jr. 3,354,684.
Peterson, Edward C. 3,316,788.
Birdwell, Benjamin F., to Anel Engineering Industries, Inc. Interlocking structural system for buildings. 3,304,680, 2–21–67, Cl. 52—332.
Birdwell, Dewie W. Pulsation reducer. 3,333,604, 8–1–67, Cl. 138—30.
Birdwell, J. C. Pressure fluid motor. 3,339,460, 9–5–67, Cl. 91—56.
Bireley, Richard L., to United States of America, Navy. Coupling circuit for low impedance sensing element. 3,304,-514, 2–14–67, Cl. 330—189.
Birfield Engineering Ltd.: *See*—
Cull, William. 3,310,960.
Birgbauer, Gordon J., Jr., to Lear Siegler, Inc. Frame element for supporting sinuous spring strips. 3,308,487, 3–14–67, Cl. 5—260.
Birge Co., Inc., The: *See*—
Dautch, Lewis B. 3,315,936.
Birge, William T.: *See*—
Ayers, David T., Jr., and Birge. 3,298,466.
Birginal, Sylvester J. Invertable table top support for machines. 3,310,352, 3–21–67, Cl. 312—30.
Birk, Rudolf, to Agfa-Gevaert Aktiengesellschaft. Sealing means for rotary drum heat exchanger. 3,355,817, 12–5–67, Cl. 34—124.
Birk, Ted W. Rotary internal combustion engine. 3,299,866, 1–24–67, Cl. 123—17.
Birkelo, Einar P., and T. N. Johnson, to Rayette-Faberge, Inc. Process for preparing higher fatty alkyl di-lower-alkylbenzyl ammonium halides. 3,311,659, 3–28–67, Cl. 260—567.6.
Birkenheuer, Joseph K. Collapsible sleeping compartment for automobiles. 3,321,876, 5–30–67, Cl. 52—66.
Birkenmeyer, Robert D.: *See*—
Bannister, Brian, Birkenmeyer, and Kagan. 3,316,243.
Birkestrand, Orville J. Portable electric generator. 3,349,247, 10–24–67, Cl. 290—1.
Birkhead, Claude D.: *See*—
Schneider, Frederick H., and Birkhead. 3,328,479.
Birkholtz, Gottfried, to Carl Scheuck Maschinenfabrik G.m.b.H. Device for measuring force. 3,320,802, 5–23–67, Cl 73—141.
Birkholz, Dietrich: *See*—
Kauffmann, William M., and Birkholz. 3,309,865.
Birkholz, Richard G., to Dorr Sales & Engineering Co., Inc. Machine for folding carton blanks. 3,314,338, 4–18–67, Cl. 93—49.
Birkic, George M. Bowling lanes and means associated therewith for exercising and correcting bodily movements. 3,317,208, 5–2–67, Cl. 273—54.
Birkle, Hans, to Siegner Maschinenbau G.m.b.H. Sheet leveler. 3,312,094, 4–4–67, Cl. 72—162.
Birlea, Nicolae: *See*—
Feldman, Osias, Birlea, Pirvulescu, Caruceru, and Weinberg. 3,336,955.
Birman, Paul S., to Forbro Design Corp. Temperature control chamber utilizing operational power supplies. 3,329,202, 7–4–67, Cl. 165—26.
Birmann, Rudolph. Turbocompressor system. 3,355,878, 12–5–67, Cl. 60—13.
Birmans, Josef, to Adoph Sauerer, Ltd. Suction device for drop box loom having weft replenishment means. 3,347,285, 10–17–67, Cl. 139—257.
Birmans, Josef, and A. Wirz, to Adolph Saurer Ltd. Suction system for tensioning weft. 3,299,912, 1–24–67, Cl. 139—194.
Birmingham, Donald J.: *See*—
Hill, William C., and Birmingham. 3,333,250.
Birmingham, Donald J., W. C. Hill, R. A. Mackenzie, Jr., and B. J. Pine, to General Electric Co. Data communication processor. 3,311,889, 3–28–67, Cl. 340—172.5.
Birmingham, Henry P., to United States of America, Navy. Vehicle laterally compounded optical guidance system. 3,320,584, 5–16–67, Cl. 340—26.
Birmingham, Henry P., to United States of America, Navy. Collimated aircraft landing assist system. 3,355,941, 12–5–67, Cl. 73—178.
Birmingham, Henry P., A. W. Baldwin, and B. L. Perry, to United States of America, Navy. Optical guidance system for providing vehicle motion error information. 3,353,153, 11–14–67, Cl. 340—26.
Birmingham Small Arms Co. Ltd.: *See*—
Marshall, Alec F. 3,338,220.
Scott, Harold R. 3,296,392.
Scott, Harold R., Davis, and Fogaty. 3,300,598.
Birnstingl, David W., to Mawdsley's Ltd. Concentration meter. 3,358,223, 12–12–67, Cl. 324—30.
Biron, Raphael A., The Dow Chemical Co. Herbicide dispenser. 3,320,694, 5–23–67, Cl. 47—1.5.
Birrell, Robert W.: *See*—
Aiken, Howard H., and Birrell. 3,327,696.
Aiken, Howard H., Birrell, Cummins, and Richards. 3,319,761.
Aiken, Howard H., Birrell, and Sites. 3,335,699.
Birrell, Stewart H., and R. M. Fey, to Owens-Illinois, Inc. Collapsible container. 3,354,924, 11–28–67, Cl. 150—.5.
Birrenkott, Louis A. Burglar alarm. 3,327,300, 6–20–67, Cl. 340—283.
Birse, Alexander L., to John G. Stein & Co., Ltd. Furnace roofs. 3,313,254, 4–11–67, Cl. 110—99.
Birt, John R.: *See*—
Barker, John, Birt, Housby, and Gorman. 3,358,105.
Birtcher Corp., The: *See*—
Weisman, Arnold M. 3,333,156.
Birth, James E. Vehicle burglar alarm. 3,310,775, 3–21–67, Cl. 340—63.
Birtwistle, James S., and E. Bergman, to Shell Oil Co. Dehalogenation process to produce 2-mono-halo-acetoacetamides. 3,358,023, 12–12–67, Cl. 260—561.
Birum, Gail H.: *See*—
Clampitt, Rodney B., Birum, and Anderson. 3,306,937.
Birum, Gail H., to Monsanto Co. Method of preparing polyphosphorus-polyal esters. 3,317,510, 5–2–67, Cl. 260—210.
Birum, Gail H., to Monsanto Co. Halogenated mono-phosphorus alpha-hydroxy hydrocarbylphosphonate esters and their preparation. 3,342,908, 9–19–67, Cl. 260—953.
Birum, Gail H., R. B. Clampitt, and R. M. Anderson, to Monsanto Co. Flame-resistant polyurethanes. 3,332,893, 7–25–67, Cl. 260—2.5.
Birum, Gail H., J. L. Schwendeman, and R. M. Anderson, to Monsanto Co. Polymeric compositions containing bis(2-bromoethyl)-2-chloroethyl phosphate. 3,344,112, 9–26–67, Cl. 260—45.7.
Birum, Herbert L., Jr., to HLB Corp. Rail partition assembly. 3,343,318, 9–26–67, Cl. 52—239.
Birum, Herbert L., Jr., to HLB Corp. Ceiling channel assembly for movable partitions. 3,358,411, 12–19–67, Cl. 52—241.
Birum, Herbert L., Jr. Sealing means for exterior panel wall structures. 3,359,700, 12–26–67, Cl. 52—628.
Birwelco Ltd.: *See*—
Brown, Anthony C. 3,317,221.

Bisang, Adolf, to Maschinenfabrik Benninger A.G. Apparatus for squeezing out liquids from web shaped textile materials. 3,332,260, 7–25–67, Cl. 68—22.
Bischof, Hans, and K. G. Hersperger. Packaging. 3,352,086, 11–14–67, Cl. 53—39.
Bischoff, Elton L., to United States of America, Air Force. Exploding missile case. 3,357,356, 12–12–67, Cl. 102—49.5.
Bischoff, Friedrich, to Siemens & Halski Aktiengesellschaft. Apparatus for vapor deposition of silicon. 3,335,697, 8–15–67, Cl. 118—49.5.
Biser, Roger W., to Ledex, Inc. Rotary actuator having associated clutch means. 3,308,410, 3–7–67, Cl. 335—228.
Bish, Robert M., and J. W. Davis, said Davis assor. to said Bish. Carrying board. 3,295,734, 1–3–67, Cl. 224—48.
Bish, William E., and W. M. Hill, to The L. McBrine Co. Ltd. Method of manufacturing luggage. 3,332,136, 7–25–67, Cl. 29—413.
Biship, Thomas D., to The Deritend Engineering Co. Ltd. Oldham couplings. 3,316,738, 5–2–67, Cl. 64—31.
Bishman Mfg. Co.: *See*—
Vorpahl, Carl H. 3,335,948.
Bishofberger, Carl J., to Honeywell Inc. Contact structure. 3,304,467, 2–14–67, Cl. 317—15.
Bishop and Babcock Corp., The: *See*—
Jaworski, Leonard S. 3,353,436.
Munse, Robert A. 3,304,686.
Munse, Robert A. 3,357,064.
Munse, Robert A. 3,358,729.
Bishop, Bernard F.: *See*—
Attwood, John G., and Bishop. 3,343,510.
Bishop, Charles R., deceased, by M. J. Bishop, executrix. Drive arrangement for vehicles with an articulated frame. 3,338,327, 8–29–67, Cl. 180—71.
Bishop, Clarence E., and P. H. Young, to Celanese Corp. of America. Spinneret for making hollow filaments. 3,340,571, 9–12–67, Cl. 18—8.
Bishop, Earl L., to The Akron Standard Mold Co. Tire building drum. 3,322,599, 5–30–67, Cl. 156—417.
Bishop, Forest M., R. I. Bishop, Jr., and W. L. Howard. Golf swing aid. 3,350,101, 10–31–67, Cl. 273—186.
Bishop, Frederic L., to Owens-Illinois, Inc. Cathode-ray tube having an improved fiber optic face plate. 3,343,023, 9–19–67, Cl. 313—92.
Bishop, Frederic L., to Owens-Illinois, Inc. Radiation indicating glass. 3,359,125, 12–19–67, Cl. 106—54.
Bishop Freeman Co.: *See*—
Anderson, Arvid B., Davis, and Schultz. 3,321,852.
Davis, Harvey L., Schultz, and Anderson. 3,341,954.
Bishop, George F. L., to Phillips Petroluem Co. Reservoir for storage of volatile liquids and method of forming the same. 3,295,328, 1–3–67, Cl. 61—.5.
Bishop, George F. L., to Phillips Petroleum Co. Earthen reservoir with frozen roof covering and method of forming the same. 3,359,739, 12–26–67, Cl. 61—.5.
Bishop, Harold B., to Phillips Petroleum Co. Liquid disposal. 3,333,638, 8–1–67, Cl. 166—42.
Bishop, Irving N., L. Hideg, and A. O. Simko, to Ford Motor Co. Internal combustion engine combustion process. 3,315,650, 4–25–67, Cl. 123—32.
Bishop, J., & Co.: *See*—
Steele, Raymond. 3,357,904.
Bishop, Jack L., Jr., and C. W. Todd, to Dow Corning Corp. Shaving cream containing polysiloxanes. 3,298,919, 1–17–67, Cl. 167—85.
Bishop, Jacob M., and D. D. Westbrook, to Ametek, Inc. Method and apparatus for making two-coil noncumulative force spiral springs, and more particularly two-coil noncumulative force spiral springs having a saddle between the coils. 3,329,177, 7–4–67, Cl. 140—89.
Bishop, James S., and A. D. Coggeshall, to General Electric Co. Winding support system for a dynamoelectric machine. 3,344,297, 9–26–67, Cl. 310—260.
Bishop, Jerald W.: *See*—
Gilmore, Merwin W., and Bishop. 3,353,479.
Bishop, John D., to Bell Telephone Laboratories, Inc. Circuit for monitoring the state of a relay. 3,346,855, 10–10–67, Cl. 340—248.
Bishop, Leonard J.: *See*—
Klamp, Paul, and Bishop. 3,348,496.
Bishop, Muriel J.: *See*—
Bishop, Charles R. and M. J. 3,338,327.
Bishop, Richard M. Deer dragging harness kit. 3,346,154, 10–10–67, Cl. 224—5.
Bishop, Robert B., Inc.: *See*—
Perry, Lee D. 3,355,945.
Bishop, Robert E. C., to Admel International Ltd. Photocopying machines. 3,329,076, 7–4–67, Cl. 95—77.5.
Bishop, Robert E., K. R. Jackson, G. Kis, and F. W. Schlesinger, to United States of America, National Aeronautics and Space Administration. Optical alignment system. 3,323,408, 6–6–67, Cl. 88—14.
Bishop, Robert G., to Hercules Inc. Preparation of hydroxypropyl cellulose. 3,351,583, 11–7–67, Cl. 260—231.
Bishop, Robert H. Unit enclosures. 3,318,647, 5–9–67, Cl. 312—257.
Bishop, Roger I., E. R. Kendall, and R. A. Palmer, deceased (by D. Palmer, executrix), to S. Smith & Sons (England) Ltd. Aircraft instruments. 3,309,923, 3–21–67, Cl. 73—178.
Bishop, Roy I., Jr.: *See*—
Bishop, Forest M., R. I. Bishop, Jr., and Howard. 3,350,101.
Bishop, Thomas D., to The Deritend Engineering Co. Ltd. Apparatus for treating blanks or webs of material. 3,299,801, 1–24–67, Cl. 100—168.
Bishop, Thomas D., to The Deritend Engineering Co. Ltd. Method of making an accurate form for cutting and creasing sheet material. 3,302,490, 2–7–67, Cl. 76—107.
Bishop, Thomas D., to The Deritend Engineering Co. Ltd. Apparatus for use in the manufacture of boxes and the like. 3,314,340, 4–18–67, Cl. 93—58.2.
Bishop, Thomas M., ⅓ to E. L. Gammage, Jr., and T. L. Mullen. Wheel stabilizer. 3,333,863, 8–1–67, Cl. 280—94.
Bishop, Walter F., to Bell & Howell Co. Sheet feed trays. 3,319,956, 5–16–67, Cl. 271—60.
Bishop, William P. Bale stack forming device. 3,330,426, 7–11–67, Cl. 214—6.
Bisignani, Alfred G., and R. H. Edgecomb, to Allied Chemical Corp. Production of sulfuryl fluoride. 3,320,030, 5–16–67, Cl. 23—203.
Bisjak, Jacques, and J.-P. Gourber, to CSF-Compagnie Generale de Telegraphie Sans Fil. Monochromatic light source with temperature regulating means. 3,323,010, 5–30–67, Cl. 315—115.
Biskeborn, Merle C., to Bell Telephone Laboratories Inc. Wire heater. 3,328,554, 6–27–67, Cl. 219—10.61.
Biskis, Edward G., to Air Products and Chemicals, Inc. Regenerative adsorption process. 3,352,121, 11–14–67, Cl. 62—18.
Biskup, John, N. R. Migdol, and E. C. Scholl, to Congoleum-Nairn Inc. Waste sulphite liquor adhesive composition. 3,352,700, 11–14–67, Cl. 106—123.
Bisschops, Johan H., and A. J. Conix, to Gevaert Photo-Producten N.V. Method of manufacturing recording tape with improved cross-linked binder for the recording layer. 3,357,855, 12–12–67, Cl. 117—138.8.
Bissell Inc.: *See*—
Hoxie, Orville D. 3,329,625.
Vanderveer, Frederick B. 3,340,937.
Bissell, Robert D.: *See*—
Ingham, Robert J., and Bissell. 3,357,394.
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Murdock, Lawrence C. 3,314,009.
Bissett, Fred L., Ski-sled. 3,325,179, 6–13–67, Cl. 280—25.
Bissinger, Harry G. Boat launching accessory. 3,303,952, 2–14–67, Cl. 214—517.
Bissinger, William E., F. Strain, H. C. Stevens, W. R. Dial, and R. S. Chisholm, to Pittsburgh Plate Glass Co. Polycarbonates of hydroxy ethyl ethers. 3,320,211, 5–16–67, Cl. 260—47.
Bisso, Robert J., to Sylvania Electric Products, Inc. Photoconductive means for detecting areas of low-level illumination. 3,340,427, 9–5–67, Cl. 315—155.
Bisson, Denis. Thermostatic engine starter. 3,313,947, 4–11–67, Cl. 290—38.
Bissonnette, Arthur L., and D. L. Stull. Shirt hanger. 3,317,096, 5–2–67, Cl. 223—95.
Bissot, Thomas C., to E. I. du Pont de Nemours and Co. Acrylonitrile synthesis. 3,300,527, 1–24–67, Cl. 260—465.3.
Bissot, Thomas C., to E. I. du Pont de Nemours and Co. Process for preparing aqueous dispersions of ethylene copolymers. 3,347,811, 10–17–67, Cl. 260—29.6.
Bissot, Thomas C., to E. I. du Pont de Nemours and Co. Preparation of stable film forming aqueous polyamide dispersions. 3,355,409, 11–28–67, Cl. 260—29.6.
Bissot, Thomas C., and H. B. Copelin, to E. I. du Pont de Nemours and Co. Production of 4-halobutene-1. 3,312,747, 4–4–67, Cl. 260—654.
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Hlavka, Joseph J., and Bitha. 3,330,841.
Hlavka, Joseph J., and Bitha. 3,345,408.
Hlavka, Joseph J., and Bitha. 3,360,558.
Winterbottom, Robert, Bitha, and Kissman. 3,345,410.
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Bitha, Panayota, J. J. Hlavka, and M. J. Martell, Jr., to American Cyanamid Co. Substituted 7- and/or 9-amino-6-methylenetetracyclines. 3,341,586, 9–12–67, Cl. 260—559.
Bitko, Sheldon, ½ to Harry E. Rubens. Glass-metal seal. 3,355,332, 11–28–67, Cl. 148—13.
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Brandt, Hans-Walther, Schleppinghoff, Bayer, Bitners, and Meier. 3,320,138.
Bittel, Karl, to Veb Zentrale Entwicklung und Konstruktion Zek Hydraulik. Liquid springs. 3,342,474, 9–19–67, Cl. 267—1.
Bittel, Karl, to Veb Zentrale Entwicklung und Konstruktion zek Hydraulik. Liquid spring. 3,346,251, 10–10–67, Cl. 267—1.
Bitting, Franklin E.: *See*—
Heer, Eugene F., and Bitting. 3,356,635.
Bittinger, Billy D., to Celanese Corp. Method for electroforming spinnerettes. 3,332,858, 7–25–67, Cl. 204—11.
Bittner, Clarence W., to Shell Oil Co. Catalytic hydrocracking of naphthas with the use of a catalyst composite comprising copper on a siliceous support. 3,303,124, 2–7–67, Cl. 208—111.
Bittner, Clarence W., to Shell Oil Co. Iodinative hydrocarbon conversion. 3,331,883, 7–18–67, Cl. 260—680.

Bittner, Ernst. Transparent small commodity pack for mounting on a supporting frame for display purposes. 3,307,693, 3–7–67, Cl. 206—78.

Bittner, Hans J., and L. Jacobs, to H. Putsch & Co. Glass pressing machine. 3,337,325, 8–22–67, Cl. 65—314.

Bittner, Seymour R. Chance device for random chuted stacking of loose elements for viewing. 3,304,091, 2–14–67, Cl. 273—144.

Bittrich, Gustav, and R. A. Ehrhardt, to Bell Telephone Laboratories, Inc. Printed circuit boards and their fabrication. 3,306,830, 2–28–67, Cl. 204—15.

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Bitzenburger, Henry A. Arrow fletching apparatus. 3,330,551, 7–11–67, Cl. 269—38.

Bitzenburger, Henry A. Arrow fletching system. 3,333,842, 8–1–67, Cl. 269—38.

Bitzer, Albert H., Jr. Method and apparatus for precision heat treatment of coil springs. 3,311,733, 3–28–67, Cl. 219—50.

Bitzer, Albert H., Jr. Method and apparatus for simultaneously cold forming and stress relieving metal coils. 3,323,340, 6–6–67, Cl. 72—135.

Bitzer, Edmund C., to Nordberg Mfg. Co. Chain catenary belt idler. 3,295,665, 1–3–67, Cl. 198—192.

Bitzer, Martin: *See*—
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Bitzer, Martin, to Trico Products Corp. Intermittent dwell windshield wiper system. 3,299,723. 1–24–67, Cl. 74—125.5.

Bivans Corp.: *See*—
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Bivans, Elbert L., and Kund. 3,329,085.

Bivans, Elbert L., to Bivans Corp. Drive for uprighting boxes. 3,306,422, 2–28–67, Cl. 198—27.

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Bixby, George, Jr., and J. Devaris, to Automatic Marketing Industries, Inc. Means for brewing coffee. 3,320,073, 5–16–67, Cl. 99—71.

Bixby, Thomas G., to McGill Mfg. Co., Inc. Angular contact ball bearing assembly. 3,306,685, 2–28–67, Cl. 308—201.

Bixby, Thomas G., to Phillips Drill Co. Expansion stud anchor. 3,332,312, 7–25–67, Cl. 85—83.

Bixby, Wallace E., to Wedge Wire Corp. Screen. 3,327,853, 6–27–67, Cl. 209—395.

Bixby, William E., to Xerox Corp. Line sequential color xerography. 3,313,623, 4–11–67, Cl. 96—1.2.

Bixby, William E., to Xerox Corp. Dyed image xerography. 3,357,830, 12–12–67, Cl. 96—1.2.

Bixby-Zimmer Engineering Co.: *See*—
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Bixler, Kenneth D.: *See*—
Davidson, Thomas L., and Bixler. 3,330,465.

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Bizovi, Dan D. Buffing wheel. 3,296,646, 1–10–67, Cl. 15—230.16.

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Jonasson, Axel V., and Bjalme. 3,307,436.

Bjarnason, William M., and D. L. Nachbar. Tube-type water heater. 3,359,949, 12–26–67, Cl. 122—248.

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Bjering, Olav, and J. M. Wheaton, to Owens Illinois, Inc. Vacuum sealing machine. 3,334,467, 8–8–67, Cl. 53—88.

Bjerkan, Arthur J., to Deere & Co. Boom-type implement. 3,343,686, 9–26–67, Cl. 212—66.

Bjerke, John O., J. Halliday, J. L. Stevens, Jr., S. A. Mahler, and D. H. Holden, to Newport News Shipbuilding and Dry Dock Co. Bulkhead structure and method of making thereof. 3,347,051, 10–17–67, Cl. 61—46.

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Bjontegard, Arthur M., to General Electric Co. Luminaire socket support. 3,299,263, 1–17–67, Cl. 240—25.

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Bjork, Carl K.: *See*—
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Bjork, Elliott L., and C. F. Kern, to Bartelt Engineering Co., Inc. Packaging machine. 3,358,419, 12–19–67, Cl. 53—180.

Bjork, Lennart, to Allmanna Svenska Elektriska Aktiebolaget. Means for deriving a control function voltage for converters. 3,359,481, 12–19–67, Cl. 321—27.

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Bjorklund, Gustaf E., to Rederi AB Soya. Hydrostatic transmission, 3,358,443, 12–19–67, Cl. 60—53.

Bjorksten, Johan A., to Lor Corp. Method of making smooth surface castings of foam metal. 3,305,902, 2–28–67, Cl. 22—215.

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Bjorn, Thomas E., to Stewart-Warner Corp. Vibration detection gauge. 3,321,960, 5–30–67, Cl. 73—71.4.

Bjorn, Thomas E., and N. H. Kadivnik, to Stewart-Warner Corp. Automatic unbalance location and balance apparatus. 3,302,491, 2–7–67, Cl. 77—5.

Bjorndal, Oystein. Hydraulic pump. 3,299,825, 1–24–67, Cl. 103—126.

Bjorn-Henriksen, Preben, and P. C. Hansen. Apparatus for injecting brine into meat products. 3,296,953, 1–10–67, Cl. 99—256.

Bjornsen, Bjorn G., to Johnson Service Co. Fluid stream control apparatus. 3,334,641, 8–8–67, Cl. 137—81.5.

Bjornson, Geir, and E. L. Czenkusch, to Phillips Petroleum Co. Isoprene polymerization. 3,337,520, 8–22–67, Cl. 260—94.3.

Björshol, Kolbjörn. Winch for hauling purse seines or similar fishing gear. 3,305,218, 2–21–67, Cl. 254—137.

Blaauw, Gerrit A., and S. W. Dunwell, to International Business Machines Corp. Simplified partial double error correction using single error correcting code. 3,328,759, 6–27–67, Cl. 340—146.1.

Blaauw, Gerrit A., W. V. Wright, and R. H. Larson, to International Business Machines Corp. Priority sequence control. 3,328,771, 6–27–67, Cl. 340—172.5.

Blachere, Albert M. E., and C. J. M. Breant, to Rhone-Poulenc S.A. Stabilized polyolefins containing dilauryl thiodipropionate and hydroxyaryloxamic acid esters. 3,318,842, 5–9–67, Cl. 260—45.85.

Blachier, Bruno, and C. Vergnolle, to CSF-Compagnie Generale de Telegraphie Sans Fil. Antenna array having an electrically controllable directivity pattern. 3,319,249, 5–9–67, Cl. 343—100.

Blachier, Bruno, and N'G. Van Tran, to CSF-Compagnie Generale de Telegraphie San Fil. Waveguide switching structure having at least one bulb filled with a low pressure gas. 3,324,420, 6–6–67, Cl. 333—7.

Blachowski, John A.: *See*—
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Blachut, Joseph S., R. W. Donohoe, and W. R. Neubarth, to Pioneer Engineering & Mfg. Co. Automatic straightening machine. 3,335,587, 8–15–67, Cl. 72—9.

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Black, Boyd C. Sling construction and method of making same. 3,317,233, 5–2–67, Cl. 294—74.

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Coghill, James T. 3,301,214.
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France, Alfred H., Jr. 3,356,814.
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Wickham, John L. 3,354,732.

Black, Dolphus H., to United States of America, National Aeronautics and Space Administration. Storage container mounting for space vehicles. 3,295,791, 1–3–67, Cl. 244—1.

Black, Donald M., to Rexall Drug and Chemical Co. Extrusion apparatus. 3,308,507, 3–14–67, Cl. 18—12.

Black, Ernest P., J. B. Clelland, and S. W. Ferris, deceased (by L. G. Ferris, executrix), to Sun Oil Co. Asphaltene treating process. 3,317,447, 5–2–67, Cl. 260—28.5.

Black, Garnett V. Packboard with a folding stool. 3,315,856, 4–25–67, Cl. 224—9.

Black, James A. Stencil screen frame. 3,359,663, 12–26–67, Cl. 38—102.91.

Black, James B., and L. H. Adams, to Twin Disc Clutch Co. Clutch and transmission with dual modulating fluid controls. 3,352,392, 11–14–67, Cl. 192—3.5.

Black, James E.: *See*—
Guthrie, Donald A., Black, and Kunz. 3,322,583.

Black, James F., to Esso Research and Engineering Co. Sulfoxidation reaction. 3,325,387, 6–13–67, Cl. 204—162.

Black, James F., and I. S. Ungar, to Esso Research and Engineering Co. Graft copolymer preparation through free radicals. 3,337,649, 8–22–67, Cl. 260—877.

Black, James H., to The American Tobacco Co. Photoelectric scanner with synchronized cutter and photocell offset from light source. 3,334,240, 8–1–67, Cl. 250—223.

Black, James J., to Pullman, Inc. Selective valve actuating mechanism for vessels. 3,310,070, 3–21–67, Cl. 137—637.1.

Black, James R., and F. L. Blake, deceased (by B. A. Dickson, administratrix), to Motorola, Inc. Vapor deposition process. 3,330,694, 7–11–67, Cl. 117—201.

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Black, John O. Stackable bed. 3,321,776, 5–30–67, Cl. 5—8.

Black, John O. Stackable bed. 3,325,830, 6–20–67, Cl. 5—8.

Black, John W., Jr. Device for flattening cans. 3,299,802, 1–24–67, Cl. 100—233.

Black, Kenneth H.: *See*—
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Black, Lawrence W., 24½% each to J. Paradiso and H. D. Hester. Process for reclaiming soiled solvent in situ. 3,300,405, 1–24–67, Cl. 210—21.

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Lau, Erwin M. 3,301,281.
Lau, Erwin M. 3,301,340.
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Black, Raymond J.: *See*—
Anderson, Bruce W., and Black. 3,357,519.

Black, Raymond J., and R. M. Palmer, to The Bendix Corp. Aircraft landing gear. 3,345,019, 10–3–67, Cl. 244—100.

Black, Richard A., to Bell Fibre Products Corp. Carton construction. 3,317,111, 5–2–67, Cl. 229—15.

Black, Richard W., to United States of America, Army. Cargo centering device. 3,341,035, 9–12–67, Cl. 214—15.

Black, Robert B. Fluid pressure device for ejecting burs from the chucks of dental handpieces. 3,333,320, 8–1–67, Cl. 29—252.

Black, Robert C.: *See*—
Foster, Walter E., and Black. 3,349,445.

Black, Robert D., to P. R. Mallory & Co., Inc. Capacitor with solid oxide electrolyte pyrolytically produced in wet atmosphere. 3,302,074, 1–31–67, Cl. 317—230.

Black, Robert L.: *See*—
Bailey, Keith A., Black, and Fisher. 3,313,183.

Black, Robert L., Jr., to Parks-Cramer Co. Unitary blowing and suction traveling cleaner for textile mills. 3,304,571, 2–21–67, Cl. 15—312.

Black, Robert L., Jr., to Parks-Cramer Co. Traveling textile cleaner with forced air filter cleaning means. 3,320,726, 5–23–67, Cl. 55—294.

Black, Sheppard A., and J. D. Heide, to United States Rubber Co. Intermediate article. 3,297,073, 1–10–67, Cl. 152—362.

Black, Sheppard A., J. D. Heide, and T. J. Rhodes, to United States Rubber Co. Tire carcass building. 3,306,804, 2–28–67, Cl. 156—417.

Black, Sheppard A., J. D. Heide, and T. J. Rhodes, to United States Rubber Co. Method of making a tire carcass. 3,318,745, 5–9–67, Cl. 156—111.

Black, Sheppard A., and J. D. Heide, to Uniroyal, Inc. Tire carcass remover. 3,322,595, 5–30–67, Cl. 156—351.

Black, Sheppard A., and J. D. Heide, to Uniroyal, Inc. Bead-setting apparatus in tire carcass fabricating machine. 3,323,968, 6–6–67, Cl. 156—350.

Black, Sheppard A., J. D. Heide, and T. J. Rhodes, to Uniroyal, Inc. Automatic tire carcass building apparatus. 3,323,970, 6–6–67, Cl. 156—396.

Black, Sheppard A., and J. D. Heide, to Uniroyal, Inc. Automatic apparatus for sensing and laterally centering tire fabric feed of varying width. 2,325,072, 6–13–67, Cl. 226—20.

Black, Sheppard A., and J. D. Heide, to Uniroyal, Inc. Automatic tire building apparatus. 3,355,346, 11–28–67, Cl. 156—396.

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Barnhart, Clifford W. 3,347,019.
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Furlow, Dale B. 3,322,917.
Hoipkemeier, Fredrick L. 3,349,547.
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Black, Theodore R., to Diebold Inc. Overhead conveyor. 3,327,644, 6–27–67, Cl. 104—106.

Black, Walter K., to Barber Mfg. Co., Inc. Spring lacing machine. 3,334,665, 8–8–67, Cl. 140—92.7.

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Black, Warren R., to American Seating Co. Hospital bed. 3,309,717, 3–21–67, Cl. 5—68.

Black, William, F. Hayes, and A. Topham, to Imperial Chemical Industries Ltd. Manufacture of pigment compositions. 3,323,931, 6–6–67, Cl. 106—288.

Black, William B., to Monsanto Co. Preparation of stereoregular polyvinyl alcohol shaped articles. 3,329,754, 7–4–67, Cl. 264—184.

Black, William C., and V. L. Winfrey, to Penick & Ford, Ltd. Cationic starch complex. 3,320,118, 5–16–67, Cl. 162—175.

Black, William C., and C. N. Owen, to Penick & Ford, Ltd., Inc. Starch size composition. 3,332,795, 7–25–67, Cl. 106—210.

Blackaby, Benjamin E., to Hawker Siddeley Dynamics Ltd. Fuel control system for gas turbine engines. 3,295,317, 1–3–67, Cl. 60—39.28.

Blackburn, Alan B., to Hobart Bros. Co. Alternating current arc welding system with a high frequency voltage superposed thereon. 3,311,780, 3–28–67, Cl. 315—163.

Blackburn, Jasper, Corp.: *See*—
De Moor, Raymond J. 3,330,632.
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Blackburn, John H.: *See*—
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Blackburn, Keith, and D. L. Spanjer, to Hawker Siddeley Canada, Ltd. Pallet transporter. 3,330,432, 7–11–67, Cl. 214—505.

Blackburn, Leonard, ½ to Karen Corp. Overhead traverse for supporting draperies or the like. 3,346,909, 10–17–67, Cl. 16—94.

Blackburn, Robert K., W. E. Van Voorhis, A. J. Nadeau, and A. J. Schmitt; said Nadeau and said Schmitt assors. to Beloit Corp. Flooded nip coater pan. 3,353,516, 11–21–67, Cl. 118—249.

Blackburn, Robert R. Spot welding gun. 3,303,317, 2–7–67, Cl. 219—90

Blackburn, Robert W., W. M. Brown, and E. J. Adams, to Canadian General Electric Co., Ltd. Liquid moderated, liquid cooled nuclear reactor installation. 3,357,889, 12–12–67, Cl. 176—52.

Blackburn, Walter L. Ratchet winch. 3,302,931, 2–7–67, Cl. 254—186.

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Blackett, James C., W. B. Hamelink, L. L. Krueger, and W. L. Livingston, to Honeywell Inc. Control system. 3,357,473, 12–12–67, Cl. 158—28.

Blackett, John H., to Vickers Instruments Ltd. Counters for counting cells in suspension and circuit therefor. 3,351,821, 11–7–67, Cl. 317—148.5.

Blackford, Benjamin B., deceased, by D. R. Blackford, administratrix, to Johnson & Johnson. Package. 3,313,405, 4–11–67, Cl. 206—63.2.

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Blackford, William A. Rail anchor. 3,358,926, 12–19–67, Cl. 238—321.

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Blackhurst, Robert V., and W. Harrison, to Rolls-Royce Ltd. Bladed rotor. 3,327,995, 6–27–67, Cl. 253—77.

Blackledge, Myron L., and E. J. Scheck. Power ash tray construction. 3,331,339, 7–18–67, Cl. 110—18.

Blackley, Charles L., and H. E. Thompson, to International Business Machines Corp. Web record members. 3,308,451, 3–7–67, Cl. 340—174.1.

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Blackley, William D., to Texaco Inc. Method of preparing nitrosohydrocarbon dimers. 3,340,314, 9–5–67, Cl. 260—647.

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Blackman, Norman S. Instrument for quantitating sound intensities. 3,314,499, 4–18–67, Cl. 181—24.

Blackman, Sanford L., to The Bendix Corp. Three terminal bridged T network for monitoring the operating speed of a motor. 3,334,342, 8–1–67, Cl. 340—263.

Blackman, Seymour N. Method of marking mercury glass thermometers. 3,316,076, 4–25–67, Cl. 65—30.

Blackman, Stanley. Picture album page. 3,335,514, 8–15–67, Cl. 40—158.

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Blackmore, Kenneth A. E., to Georgia-Pacific Corp. Water-base adhesive containing a hydroxylamine stabilizer. 3,314,807, 4–18–67, Cl. 106—127.

Blackmore, Roy C., to Purnell & Sons Ltd. Method of forming electrotypes. 3,309,290, 3–14–67, Cl. 204—17.

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Blackshear, Perry L., Jr., and F. D. Dorman, to The Regents of the University of Minnesota. Heat sensing probe and process. 3,296,865, 1–10–67, Cl. 73—359.

Blackstock, Emerson B., to Bear Brand Hosiery Co. Method for producing yarn. 3,323,302, 6–6–67, Cl. 57—163.

Blackstone, Arnold S. Blade assembly for a rotary mower. 3,327,460, 6–27–67, Cl. 56—295.

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Ley, Ralph G. 3,353,522.

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Douglas, Peyton W. 3,330,135.

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Blackwell, Robert J., F. A. Morgan III, and J. K. Heilhecker, to Esso Production Research Co. Miscible displacement process using modified alcohol banks. 3,334,688, 8–8–67, Cl. 166—9.

Blackwell, Roscoe W. Hygienic apparatus. 3,359,572, 12–26–67, Cl. 4—1.

Blackwell, Roy N., Jr. Hose coupling device. 3,300,235, 1–24–67, Cl. 285—33.

Blackwood, Henson U. Foldable surveying instrument. 3,313,027, 4–11–67, Cl. 33—105.

Blade, Arturo, to Roussel-UCLAF. Process for the preparation of 9α-fluoro steroids and products obtained therefrom. 3,359,289, 12–19–67, Cl. 260—397.45.

Blade, Arturo, and G. Muller, to Roussel-UCLAF. Colchicineamide compounds and process of preparation. 3,310,579, 3–21–67 Cl. 260—465.

Blade, Arturo, and G. Muller, to Roussel-UCLAF. Colchicinic derivatives and process of preparation. 3,310,580, 3–21–67, Cl. 260—465.

Bladel, Bendt O. D., to Swift & Co. Culturing anaerobic bacteria. 3,338,794, 8–29–67, Cl. 195—126.

Blaese, Herbert R.: *See*—
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Blaeser, Gustav H., to United States of America, Air Force. Frequency converter utilizing a tunnel diode and a microstrip line. 3,350,649, 10–31–67, Cl. 325—44.

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Blaga, Aurel, and M. J. Skrypa, to Allied Chemical Corp. Chlorinated wax, vinyl chloride/vinyl acetate blend coated with limestone or talc and process for preparing it. 3,351,601, 11–7–67, Cl. 260—28.5.

Blagden, Arthur B., and G. E. Adams, to Dunlop Rubber Co. Ltd. Sealing flap for pneumatic tires. 3,335,778, 8–15–67, Cl. 152—366.

Blagg, Leon, to Schlumberger Technology Corp. Method and apparatus for lining wells. 3,358,760, 12–19–67, Cl. 166—14.

Blaha, Emil, to Selas Corp. of America. Process for making a filter. 3,353,982, 11–21–67, Cl. 117—8.

Blaikie, Ernest R., to Lear Siegler, Inc. Mounting chassis for electrical components. 3,356,902, 12–5–67, Cl. 317—100.

Blain, Thomas M., and B. J. Whitted, to Fotorite, Inc. Apparatus and method for altering the contrast characteristic of photosensitive materials. 3,332,332, 7–25–67, Cl. 95—73.

Blair, Calvin B. Baler drawn bale accumulator and stacker. 3,302,807, 2–7–67, Cl. 214—42.

Blair, Calvin B. Loader arm mounting bracket. 3,341,040, 9–12–67, Cl. 214—140.

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Meisel, Fred W., Jr., and Blair. 3,297,803.

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Blair, George. 3,332,680.

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Blair, John W., and H. W. Spence, to Texas Instruments Inc. Passive information displays. 3,323,241, 6–6–67, Cl. 40—28.

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Blair, Noel D., and C. T. Bean, Jr., to Hooker Chemical Corp. Fire retardant bituminous compositions. 3,347,685, 10–17–67, Cl. 106—15.

Blair, Noel D., and C. T. Bean, Jr., to Hooker Chemical Corp. Fire retardant bituminous compositions. 3,347,807, 10–17–67, Cl. 260—28.5.

Blair, Richard R., and C. A. Padgitt, to Borg-Warner Corp. Treatment of resin coagulate with rubber latex to remove resinous fines. 3,297,600, 1–10–67, Cl. 260—4.

Blair, Ronald L. Hanger for brassieres and the like. 3,327,912, 6–27–67, Cl. 223—85.

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Blake, Edward S., and G. F. Deebel, to Monsanto Research Corp. Polyphenyl ether ketones. 3,354,222, 11–21–67, Cl. 260—592.

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Blake, Frederick H. Motor speed control for supply system. 3,334,285, 8–1–67, Cl. 318—331.

Blake, Frederick H., to M. J. and A. M. Sobyro. Timing circuitry. 3,349,334, 10–24–67, Cl. 328—71.

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Blake, Frederick L., deceased, by B. A. Dickson, administratrix, to Dickson Electronics Corp. Treating of surfaces of semiconductor elements. 3,313,661, 4–11–67, Cl. 148—187.

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Blake, Jack W., to F. L. Jacobs Co. Ash receptacle for automobiles. 3,351,404, 11–7–67, Cl. 312—246.

Blake, Jack W., to F. L. Jacobs Co. Ash receptacle for automobiles. 3,355,232, 11–28–67, Cl. 312—242.

Blake, James A., and J. C. Boyd, to International Business Machines Corp. System for measuring a characteristic of an electrical pulse. 3,312,894, 4–4–67, Cl. 324—68.

Blake, James E., and R. Z. Zaputowycz, to General Electric Co. System for locking an oscillator to a reference frequency having a particular shaped waveform to facilitate synchronization. 3,336,440, 8–15–67, Cl. 178—69.5.

Blake, Lawrence R., to Celanese Corp. Sanitary napkins. 3,308,826, 3–14–67, Cl. 128—290.

Blake, Lawrence R., M. E. Abraham, and W. T. Burr, Jr., to Celanese Corp. Finish compositions for textile materials. 3,357,919, 12–12–67, Cl. 252—8.8.

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Dexter, Robert G., and Blake. 3,320,926.

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Blakely, James M., and R. E. Schurig, to Sonic Development Corp. of America. Gas turbine engine burner. 3,320,744, 5–23–67, Cl. 60—39.74.
Blakely, James M., and R. E. Shurig, to Sonic Development Corp. of America. Spiral fuel flow restrictor. 3,337,135, 8–22–67, Cl. 239—102.
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Tatum, Roy E. 3,345,789.
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Blaker, Robert H., and W. T. Robinson, to E. I. du Pont de Nemours, and Co. Process for removing H_2S and CO_2 from gas mixtures. 3,339,342, 9–5–67, Cl. 55—53.
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Stockmann, Hans H., and Blakeslee. 3,357,948.
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Blakeslee, William W., P. J. Grunfelder, E. K. Nadolny, L. L. Sevebeck, and R. E. Vogeli, to Western Electric Co., Inc. Magnetic repertory caller. 3,301,958, 1–31–67, Cl. 179—6.
Blakeway, John M., and P. Marshall, to Colgate-Palmolive Co. Sulphonation of organic compounds. 3,346,505, 10–10–67, Cl 252—161.
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Blanc, Robert, to Centre National de la Recherche Scientifique. Device for measuring the transconductance and output conductance of a transistor. 3,312,899, 4–4–67, Cl. 324—158.
Blance, Robert B., and S. M. Cohen, to Monsanto Co. Interpolymers of N-vinylacetamides with maleic anhydride. 3,317,485, 5–2–67, Cl. 260—78.5.
Blance, Robert B., and S. M. Cohen, to Monsanto Co. Improvement in the preparation of N-vinyl-N-methyl-acetamide. 3,317,603, 5–2–67, Cl. 260—561.
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Blanchard, Elwood P., Jr., to E. I. du Pont de Nemours and Co. 3-hydroxy-3-methylcyclobutanecarboxylic acids, lactones thereof and their polymers. 3,342,785, 9–19–67, Cl. 260—78.3.
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Blanco, Elias. Method of joining memory materials and joints formed thereby. 3,324,908, 6–13–67, Cl. 144—318.
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Pirrie, Norman D., and Bland. 3,301,600.
Blander, Milton, and W. V. Johnston, to North American Aviation, Inc. Leak detection apparatus. 3,321,957, 5–30–67, Cl. 73—40.5.
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Blanding, John E., E. C. Trageser, and J. V. Harrington, to General Dynamics Corp. Underwater well enclosing capsule and service chamber. 3,353,364, 11–21–67, Cl. 61—69.
Blanding, Wendall S., L. H. Foster, and P. F. Spremulli, to Corning Glass Works. Metal inserts for use in the wall of glass envelopes for the support of electrodes. 3,359,444, 12–19–67, Cl. 313—64.
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Blanford, William F., to Parke, Davis & Co. Surgical drape. 3,349,765, 10–31–67, Cl. 128—132.
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Blank, Hans G., to General Telephone and Electronics Laboratories, Inc. Electroluminescent bar graph indicator. 3,327,163, 6–20–67, Cl. 315—169.
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Sax, Karl J., Blank, Holmlund, and Evans. 3,329,579.
Blank, Stephen J., and L. H. Sacks. Radar target for circularly polarized radiation. 3,309,705, 3–14–67, Cl. 343—18.
Blank, Stewart M. Energy absorbing vehicle bumper assembly. 3,307,868, 3–7–67, Cl. 293—70.
Blank, William. Steam pressing iron. 3,299,549, 1–24–67, Cl. 38—77.
Blank, Winfield B., Jr., to Sinclair Research, Inc. Electrical contact device having a spring acting against a plate for moving a plurality of contact elements. 3,324,389, 6–6–67, Cl. 324—62.
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Blankenship, Charles P., and C. A. Gyorgak, to United States of America, National Aeronautics and Space Administration. Protective device for machine and metalworking tools. 3,342,055, 9–19–67, Cl. 72—253.
Blankenship, Ernest B. Waterless urinal. 3,297,858, 1–10–67, Cl. 219—519.
Blankenship, Ernest B. Incinerator toilet. 3,331,338, 7–18–67, Cl. 110—9.
Blankenship, Milton J., to The Dow Chemical Co. Stabilized methyl chloroform compositions. 3,328,474, 6–27–67, Cl. 260—652.5.
Blankers, Zeger H., to United States of America, Navy. Step capacitance wave profile recorder. 3,314,287, 4–18–67, Cl. 73—170.
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Stegner, Harvey L. 3,301,110.
Blanks, John P. Sun dial. 3,303,567, 2–14–67, Cl. 33—62.

Blanks, Ronald F., and D. R. Blaskett, to The Broken Hill Associated Smelters Proprietary Ltd. Method for the treatment of zinciferous metallurgical slags and apparatus therefor. 3,300,300, 1–24–67, Cl. 75—77.
Blanshine, Allison W., to Sperry Rand Corp. Conveyor. 3,306,433, 2–28–67, Cl. 198—213.
Blanshine, Allison W., and C. M. Kline, Sperry Rand Corp. Corn processing machine elevator unit structure. 3,342,308, 9–19–67, Cl. 198—69.
Blanshine, Allison W., and W. W. Mann, to Sperry Rand Corp. Crop drying shed. 3,343,276, 9–26–67, Cl. 34—216.
Blanton, Colecta E., Jr. Spinning top slidable off a rod. 3,328,909, 7–4–67, Cl. 46—68.
Blanton, Elmer L.: *See*—
Brown, Marion Lipscomb, Jr., Green, and Blanton. 3,317,276.
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Blanton, Roscoe J., to Gold Digger Bit. Co. Drill bit assembly having detachable blades. 3,339,648, 9–5–67, Cl. 175—412.
Blanz, Edward G., to Americraft Mfg. Co. Adjustable gate for bar stock. 3,306,472, 2–28–67, Cl. 214—1.
Blanzy, Eugene J., to Lincoln Brass Works. Pilot flash tube ignition system. 3,298,420, 1–17–67, Cl. 158—115.
Blasbalg, Herman L., to International Business Machines Corp. Transversal filter having a tapped and an untapped delay line of equal delay, concatenated to effectively provide sub-divided delays along both lines. 3,297,951, 1–10–67, Cl. 328—37.
Blaschek, Otto, and E. Kastner. Low-noise motion picture camera. 3,331,653, 7–18–67, Cl. 352—35.
Blaschke, Franz: *See*—
Schade, Gerhard, and Blaschke. 3,299,172.
Blaschke, Franz, to Chemische Werke Witten GmbH. Polyester plasticizer for polymers of vinyl chloride and process for preparing the same. 3,331,803, 7–18–67, Cl. 260—31.6.
Blase, Helmut, to Rheinstahl Union Bruckenbau A.G. Control arrangement. 3,300,190, 1–24–67, Cl. 254—187.
Blasehke, Franz, to Chemische Werke Witten G.m.b.H. Process for providing electrically insulated conductors and coating composition for same. 3,296,335, 1–3–67, Cl. 260—860.
Blasen, Richard M. Cargo handling machine. 3,341,034, 9–12–67, Cl. 214—14.
Blaser, Bruno, H.-G. Germscheid, and K.-H. Worms, to Henkel & Cie., G.m.b.H. Aminophosphonic acids and their derivatives as complex formers for metal ions. 3,303,139, 2–7–67, Cl. 252—180.
Blaser, Hans. Ignition distributor contact-breaker for an internal combustion engine. 3,331,928, 7–18–67, Cl. 200—19.
Blaser, Karl E., and G. Dommann, to Gewerkschaft Eisenhutte Westfalia, Wethmgr hei Lunen. Movable mining support. 3,295,331, 1–3–67, Cl. 61—45.
Blaskett, Donald R.: *See*—
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Blaskowski, Henry J., to Combustion Engineering, Inc. Desalination and power generating system. 3,352,107, 11–14–67, Cl. 60—64.
Blaskowski, Henry J., to Combustion Engineering, Inc. Hood organization for use with converter employed in steel making process. 3,323,495, 6–6–67, Cl. 122—7.
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Blass, Judd, to Blass Antenna Electronics Corp. Parallel feed antenna system with phase shift switching. 3,316,553, 4–25–67, Cl. 343—854.
Blaszkowski, Henry. Retractable seat belt and method of making same. 3,307,873, 3–7–67, Cl. 297—388.
Blaszkowski, Henry. Process of hardening metal surfaces. 3,360,630, 12–26–67, Cl. 219—76.
Blatherwick, Delbert T., to American Photocopy Equipment Co. Clamping and sequencing arrangement for vacuum printing frame. 3,357,335, 12–12–67, Cl. 95—76.
Blatnik, George A., to Caine Steel Co. of California. Post with self-locking connector retention means. 3,332,189, 7–25–67, Cl. 52—364.
Blatt, Leland F. Material handling equipment. 3,349,927, 10.31.67. Cl. 214—1.
Blatt, Rudolph W., and C. F. Froberger, to General Motors Corp. Electrical discharge machining dielectric coolant. 3,346,713, 10–10–67, Cl. 219—69.
Blatter, Charles E., to Swissboring Schweigerische Tiefbohr-U. Bodenforschung A.G. Method and apparatus for securing anchorage in loose and compact ground. 3,359,742, 12–26–67, Cl. 61—53.58.
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Blatter, Herbert M., to Ciba Corp. Derivatives of 4-N-(2-N.N-dimethylamino-lower alkyl)amino quinazoline. 3,301,855, 1–31–67, Cl. 260—256.4.
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Blatter, Herbert M., to Ciba Corp. 4-Amino-pyrimidines. 3,340,260, 9–5–67, Cl. 260—247.1.
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Blattner, Ernest W., to DeLaval Turbine Inc. Erosion indicator. 3,342,064, 9–19–67, Cl. 73—86.
Blattner, Frederick R. Animation technique. 3,350,158, 10–31–67, Cl. 352—50.
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Blau, Karl-Ludwig, A. Herr, J. Lintner, and O. Wilhelm, to Vinyal S.A. Vinyl chloride polymers containing fatty acid and fatty acid salts. 3,321,425, 5–23–67, Cl. 260—23.
Blau, Robert, B. Sedlak, and R. M. Phillips, to Loral Electronics Corp. Yttrium iron garnet preselectors. 3,299,376, 1–17–67, Cl. 333—24.2.
Blau, Theodore N., and E. J. Davis, to Johns-Manville Corp. High temperature thermal insulation. 3,346,016, 10–10–67, Cl. 138—138.
Blaudszun, Helmut, and H. Jacoby, to Borsig Aktiengesellschaft. Machine frame, especially for piston compressors and piston steam engines. 3,302,537, 2–7–67, Cl. 92—261.
Blaug, Seymour M., E. L. Grandon, W. M. Henderson, D. W. Lovett, T. W. Slattery, and F. D. Staab, to United States of America, Army. Biologically absorbable foam packing bandage and process therefor. 3,325,366, 6–13–67, Cl. 167—82.
Blavette, Roger, to Societe Anonyme Simca Automobiles. Transmission device for a motor vehicle. 3,327,556, 6–27–67, Cl. 74—701.
Blaw Knox Co.: *See*—
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Davin, Donald R. 3,316,821.
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Blayden, James H., to Aluminum Co. of America. Rigid one-piece gutter hanger. 3,295,803, 1–3–67, Cl. 248—48.2.
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Blayney, Allan B., to Ideal Venders (Division of Eddy Match Co., Ltd.). Release mechanism for slope shelf vender including a lock-out assembly. 3,305,129, 2–21–67, Cl. 221—125.
Blaze, Joseph E., Jr., to The Babcock & Wilcox Co. Process of manufacturing refractory fibers. 3,322,865, 5–30–67, Cl. 264—.5
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Trebonsky, John R., and Blazek. 3.297.985.
Blazek, Henry, to Sperry Rand Corp., Ford Instrument Co. Division. Synchronous rotating pendulum accelerometer. 3,296,871, 1–10–67, Cl. 73—517.
Blazek, Henry, to Sperry Rand Corp. Pneumatic attitude sensor. 3,311,987, 4–4–67, Cl. 33—204.
Blazek, Henry, and N.-C. Chang, to Sperry Rand Corp., Ford Instrument Co. Division. Attitude sensor. 3,321,979, 5–30–67, Cl. 74—5.
Blazek, Robert J., and I. Buck, Jr., to Westinghouse Electric Corp. Method for making an electroluminescent device. 3,313,652, 4–11–67, Cl. 117—215.
Blazey, Sidney H., to General Motors Corp. Method of and means for calibrating thermo-responsive power devices. 3,306,094 2–28–67, Cl. 73—1.
Bleackley, William J., to Canadian Patents and Development Ltd. Polarization converter comprising metal rods mounted on a torsion wire that twists when rotated. 3,296,558, 1–3–67, Cl. 333—21.
Bleasby, Robert, to Foster Wheeler Corp. Self-aligning pressure sleeve. 3,353,848, 11–21–67, Cl. 285—19.
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Manley, Roger E. W. 3,333.603.
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Blechman, Abraham M. Magnetic orthodontic appliance. 3,353,271, 11–21–67, Cl. 32—14.
Blechman, Gilbert. Ventilating cushion. 3,300,252, 1–24–67, Cl. 297—453.
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Bleibtreu, Alexander, to Maschinenfabrik Reinhausen Gebruder Scheubeck KG. High current-carrying capacity switching devices requiring small contact pressures. 3,310,-640, 3–21–67, Cl. 200—1.
Bleicher, Dan, to The General Electric Co. Series transistor voltage regulators with filter circuits. 3,328,674, 6–27–67, Cl. 323—22.
Bleicher, Robert L., to Dayton Perforators, Inc. Method of forming bushings. 3,298,085, 1–17–67, Cl. 29—149.5.
Bleickardt, Werner, to Hasler, A.G. Periodically self-triggering tunnel diode current discriminator. 3,349,253, 10–24–67, Cl. 307—88.5.
Bleickardt, Werner, to Hasler, A.G. An electronic counter for counting in the gray code binary pulses. 3,349,332, 10–24–67, Cl. 328—42.
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Bleiman, Lewis W., to Radio Corp. of America. Rotating random access card selection system. 3,343,149, 9–19–67, Cl. 340—174.1.
Bleiman, Lewis W., to Radio Corp. of America. Two card detector. 3,354,273, 11–21–67, Cl. 200—61.41.
Bleiman, Lewis W., J. B. Harrison, and E. H. Panczner, to Radio Corp. of America. Gripper bar. 3,302,968, 2–7–67, Cl. 294—87.
Bleinberger, Warren E., and H. Lehneis, to Western Electric Co., Inc. Methods of making plastic terminal block. 3,313,874, 4–11–67, Cl. 264—250.
Bleiweiss, Arthur F., G. Colombo, and J. B. Dickson, to Lehigh Valley Industries, Inc. Fixed load thermomotive flasher with normally engaged contacts. 3,350,527, 10–31–67, Cl. 200—122.
Bleiweiss, Arthur F., G. Colombo, and J. B. Dickson, to Lehigh Valley Industries, Inc. Flashers. 3,358,160, 12–12–67, Cl. 307—132.
Bleloch, William, to Rand Mines Ltd. Process for the production of extra low carbon stainless steel. 3,300,302, 1–24–67, Cl. 75—130.5.
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Blessing, Hubert, to W. F. Huck, d.b.a. Huck Co. Automatic controls for splicing rollstand. 3,326,486, 6–20–67, Cl. 242—58.3.
Blessinger, John A., G. L. Molvik, and R. C. Harris, to Aluminum Co. of America. Horizontal continuous casting apparatus. 3,344,845, 10–3–67, Cl. 164—274.
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Bletcher, Pearl W.: *See*—
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Bletz, Howard W., to Therm-O-Disc, Inc. Thermal snap switch with operation on only one side of the over-center position. 3,322,921, 5–30–67, Cl. 200—138.
Bletz, Howard W., to Therm-O-Disc, Inc. Creep type thermostatic control having fine temperature adjustment. 3,358,-101, 12–12–67, Cl. 200—139.
Bletzinger, John C.: *See*—
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Bleuenstein, Julius M., to Allied Chemical Corp. Method of producing urea-formaldehyde resin coated sand. 3,360,395, 12–26–67, Cl. 117—100.
Bleuer, Hans, to Willy Buehler A.G. Towing device. 3,358,612, 12–19–67, Cl. 104—173.
Bleuer, Keith T. Pen. 3,360,329, 12–26–67, Cl. 401—156.
Bleuler, Willy. Charging and/or discharging device. 3,303,-974, 2–14–67, Cl. 222—445.
Blevens, Bertram G., to W. M. Cissell Mfg. Co. Form finisher and means for adjusting size of bag thereof. 3,332,588, 7–25–67, Cl. 223—67.
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Blevens, Bertram G., and F. H. Richterkessing, to W. M. Cissell Mfg. Co. Form finisher bag. 3,315,853, 4–25–67, Cl. 223—70.
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Blevins, George R., and G. W. Cowman, to The Black and Decker Mfg. Co. Electrical connection means for compact belt sander. 3,331,165, 7–18–67, Cl. 51—170.
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Blewett, John P., to United States of America, Atomic Energy Commission. Storage ring. 3,344,357, 9–26–67, Cl. 328—233.
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Bligard, Erling J., A. H. Colton, Jr., and H. G. Thrasher, to Litton Systems, Inc. Damped bearing. 3,316,036, 4–25–67, Cl. 308—184.
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Blight, Dennis J., and P. J. Gibbins, to International Standard Electric Corp. Tool for assembling and disassembling an electrical connector. 3,325,884, 6–20–67, Cl. 29—203.
Blight, Dennis J., E. Yetton, and J. M. Shafe, to Cannon Electric (Great Britain) Ltd. Locking nuts and electrical connectors incorporating locking nuts. 3,343,852, 9–26–67, Cl. 285—82.
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Blink, Robert O.: *See*—
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Blink, Robert O., F. H. Holz, and W. C. Lutzke, to Mitchell Mfg. Co. Adjustable table legs. 3,309,050, 3–14–67, Cl. 248—188.2.
Blinn, Charles E., to Varian Associates. High power traveling wave tubes and coupling means therefor. 3,336,496, 8–15–67, Cl. 315—3.6.
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Bliss, Arthur D., and R. F. W. Ratz, to Olin Mathieson Chemical Corp. Bis-carbamoyl spirophosphonothioates. 3,355,523, 11–28–67, Cl. 260—927.
Bliss, Arthur D., and R. F. W. Rätz, to Olin Mathieson Chemical Corp. Bifunctional phosphorus-containing azides. 3,358,004, 12–12–67, Cl. 260—349.
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Bliss, Harvey N., to The Britton Corp. Combination implement assembly. 3,316,634, 5–2–67, Cl. 30—143.
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Bliss, Robert W., to The Magnavox Co. Thermo-torque motor. 3,323,460, 6–6–67, Cl. 102—76.
Bliss, Willis H., and P. G. Mueller, Jr., to Southern California Engineering Co. Main control valve for liquid conditioning apparatus. 3,333,699, 8–1–67, Cl. 210—134.
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Blitz, Daniel, to Sanders Associates, Inc. FM altimeter with reduced step error. 3,340,529, 9–5–67, Cl. 343—14.
Blitz, Daniel, and R. Kincaid, to Sanders Associates, Inc. Sawtooth wave generator. 3,360,744, 12–26–67, Cl. 331—111.
Blitzer, Frank, H. D. Zuerndorfer, and C. P. Dewey, Jr., to Raytheon Co. Stellar directional acquisition system using photomultiplier tube. 3,320,423, 5–16–67, Cl. 250—203.
Blivice, Sidney L., ½ to D. J. Cohen. Automatic shoe size indicating apparatus. 3,328,882, 7–4–67, Cl. 33—3.
Blix, Weltzin B., Jr., and E. H. Krause, Jr. Tie bed scarifier. 3,349,717, 10–31–67, Cl. 104—9.
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Bloch, Elsie C. and G. Loop pile fabric. 3,332,453, 7–25–67, Cl. 139—391.
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Bloch, Herman S., to Universal Oil Products Co. Electrolytic process for the continuous drying of moist fluids. 3,313,-718, 4–11–67, Cl. 204—131.
Bloch, Herman S., to Universal Oil Products Co. Preparation of non-conjugated diolefins. 3,320,326, 5–16–67, Cl. 260—666.
Bloch, Herman S., to Universal Oil Products Co. Desalinization of aqueous solutions. 3,351,549, 11–7–67, Cl. 210—24.
Bloch, Herman S., to Universal Oil Products Co. Hypodermic needle protector. 3,354,881, 11–28–67, Cl. 128—215.
Bloch, Herman S., to Universal Oil Products Co. Process for making biodegradable detergents. 3,355,484, 11–28–67, Cl. 260—505.
Bloch, Herman S., and R. C. Wackher, to Universal Oil Products Co. Selective solvent for unsaturated hydrocarbons. 3,313,723, 4–11–67, Cl. 208—325.
Bloch, Herman S., and W. G. Nixon, to Universal Oil Products Co. Transalkylation process and catalyst therefor. 3,324,-193, 6–6–67, Cl. 260—672.
Bloch, Herman S., and W. G. Nixon, to Universal Oil Products Co. Alkylation process and catalyst therefor. 3,336,410, 8–15–67, Cl. 260—671.
Bloch, Herman S., and F. J. Riedl, to Universal Oil Products Co. Catalytic dehydrogenation of paraffinic hydrocarbons mixed with trace H_2O. 3,360,586, 12–26–67, Cl. 260—683.3.
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Leblanc, Conrad L., and Bloch. 3,333,709.
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Bloch, Martin B., to United States of America, Navy. Crystal oscillator circuit using feedback control techniques. 3,321,-715, 5–23–67, Cl. 331—109.
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Block, Frank, to Dominion Bridge Co. Ltd. Protectors for heating surfaces of boiler tubes. 3,318,374, 5–9–67, Cl. 165—134.
Block, Fred B., and F. H. Clarke, Jr., to Geigy Chemical Corp. Certain 2,6-methano-3-benzazocines. 3,341,538, 9–12–67, Cl. 260—247.2.
Block, George P., to The Algonquin Corp. Hospital chart holder warning signal unit. 3,304,907, 2–21–67, Cl. 116—133.
Block, Murry L., and A. H. Mones, to International Business Machines Corp. Electrical conductor material and method of making same. 3,345,158, 10–3–67, Cl. 75—108.
Blocker, Leo R. Ground driven disc cultivator. 3,331,449, 7–18–67, Cl. 172—159.
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Blodgett, Edwin O., to Friden, Inc. Punched-card reader. 3,304,411, 2–14–67, Cl. 235—61.11.
Blodgett, Edwin O., to Friden, Inc. Record medium feed structure. 3,327,917, 6–27–67, Cl. 226—141.
Blodgett, Edwin O., to Friden, Inc. Type bar actuating mechanism with separate drive and actuating bell cranks. 3,355,-000, 11–28–67, Cl. 197—17.
Blodgett, Robert B., to The Okomite Co. Power cables with an improved moisture barrier. 3,339,007, 8–29–67, Cl. 174—25.
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Bloem, Jan, and W. Steinmaier, to North American Philips Co., Inc. Method of manufacturing a semiconductor device by vapor-deposition. 3,331,716, 7–18–67, Cl. 148—174.
Blok, Dirk E., to Hunter Douglas International (Quebec) Ltd. Structural panel. 3,299,602, 1–24–67, Cl. 52—478.
Blok, Lourens, J. F. M. Van Dijk, and J. T. Kots, to North American Philips Co., Inc. Control system for regulating the current in a magnetron tube. 3,302,060, 1–31–67, Cl. 315—307.
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Blomfield, Rodney A., to Wyandotte Chemicals Corp. Compositions containing quaternary ammonium salts. 3,329,609, 7–4–67, Cl. 252—8.8.
Blomgren, Erik A., and S. J. Szpak, to Mobil Oil Corp. Method of operating a fuel cell utilizing ultrasonic mixing means removed from the fuel cell. 3,313,656, 4–11–67, Cl. 136—86.
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Blonder, Isaac S., to Blonder Tongue Electronics. Apparatus for switching radio frequency energy through plural circuit connections to display device. 3,323,042, 5–30–67, Cl. 324—57.
Blonder, Isaac S. Apparatus for producing mechanical oscillations suitable for controlling sweep circuits and other devices. 3,329,909, 7–4–67, Cl. 331—178.
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Bloom, Arnold L., and D. L. Mansir, to Varian Associates. Gyromagnetic resonance methods and apparatus. 3,360,717, 12–26–67, Cl. 324—.5.
Bloom, Barry M., and J. F. Muren, to Chas. Pfizer & Co., Inc. Alkylated thioxanthenesulfonamides. 3,310,553, 3–21–67, Cl. 260—240.
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Bloom, Earl M., Jr., and V. J. Faidley, to International Business Machines Corp. Universal character set addressing in high speed printers. 3,349,695, 10–31–67, Cl. 101—93.
Bloom, Gerald, and B. Fishman, to Flo-Tron, Inc. Mass flowmeter. 3,338,097, 8–29–67, Cl. 73—205.
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Bloom, Merle W., R. A. Huston, and R. W. Condon, ½ to Geo. D. Roper Corp., and ½ to Dexter Automatic Products Co. Lubrication system for chain saws. 3,332,411, 7–25–67, Cl. 123—196.
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Bloom, Milton, and R. Blum. Adjustable rack shelving. 3,346,126, 10–10–67, Cl. 211—176.
Bloom, Mortimer C., to United States of America, Navy. Method of operating high pressure steam generators. 3,356,073, 12–5–67, Cl. 122—379.
Bloom, Philip A., and S. J. Hussey, to United States of America, Interior. Recovery of molybdenite from copper sulfide concentrates by froth flotation. 3,313,412, 4–11–67, Cl. 209—167.
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Bloom, Stefan A., and M. Denholtz, to Dental Design Systems. Mixing capsule. 3,344,914, 10–3–67, Cl. 206—47.
Bloom, Stephen D., and R. M. Rickert, to Bell Telephone Laboratories, Inc. Switching converter power supply for constant current inputs. 3,302,092, 1–31–67, Cl. 321—2.
Bloom, Stephen D., and P. W. Ussery, to Bell Telephone Laboratories, Inc. High efficiency inverter with extended transistor saturation intervals. 3,350,661, 10–31–67, Cl. 331—113.
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Bloomfield, Harold, and A. C. Purpura, to Bloomfield Industries, Inc. Automatic coffee brewer. 3,319,561, 5–16–67, Cl. 99—283.
Bloomfield, Harold, and A. C. Purpura, to Bloomfield Industries, Inc. Decanter with detachable spout. 3,330,449, 7–11–67, Cl. 222—475.
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Bloomfield, Harold, and Purpura. 3,330,449.
Bloomquist, Evert V. and Gerald E. Machine for cutting material into strips. 3,297,068, 1–10–67, Cl. 146—117.
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Bloomquist, Evert V. and Gerald E. 3,297,068.
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Bloor, Robert R., and E. G. Kolycheck, to The B. F. Goodrich Co. Polyesterurethane elastomers having improved color characteristics. 3,298,995, 1–17–67, Cl. 260—45.85.
Blosser, Howard W. Walking heel for plaster casts. 3,307,536, 3–7–67, Cl. 128—83.5.
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Blough, Ronald S., to Fairfield Engineering and Mfg. Co. Automatic feed weighing and liquid distributing apparatus for livestock. 3,295,500, 1–3–67, Cl. 119—51.5.
Blouin, Glenn M., and D. W. Rindt, to Tennessee Valley Authority. Method of making sulfur-coated fertilizer pellet having a controlled dissolution rate. 3,295,950, 1–3–67, Cl. 71—64.
Blouin, Glenn M., and D. W. Rindt, to Tennessee Valley Authority. Sulfur-coated fertilizer pellet having controlled dissolution rate and inhibited against microbial decomposition. 3,342,577, 9–19–67, Cl. 71—3.
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Blount, Floyd E., and A. V. Metler, to Mobil Oil Corp. Liner-carrying well pipe and joint. 3,336,054, 8–15–67, Cl. 285—55.
Blount, George H., and S. H. Marx, to Philco Ford Corp. Attitude stabilizing means. 3,358,945, 12–19–67, Cl. 244—1.
Blount, Luther H. Control for trawler winches. 3,300,189, 1–24–67, Cl. 254—185.
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Blout, Elkan R., and M. Simon, to Polaroid Corp. *α*-[*β*′,*β*′-bis (dihydroxyphenyl)-diethyl-amino]-anthroquinones. 3,337,589, 8–22–67, Cl. 260—378.
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Bloxsom, Dan E. Fireproof skylight assembly. 3,307,303, 3–7–67, Cl. 52—80.
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Bloyaert, Felix, and H. Toussaint, to Solvay & Cie. Polymerization of olefins in the presence of a catalyst modified with an organic anhydride. 3,303,181, 2–7–67, Cl. 260—94.9.
Bloyaert, Felix, and H. Toussaint, to Solvay & Cie. Societe en Commandite. Catalyst for the polymerization of olefins consisting of tin or lead tetrahydrocarbyls, a transition metal halide, a halide of a metal selected from the third and fifth groups and an ether. 3,320,227, 5–16–67, Cl. 260—94.9.
Blozis, Peter P., to Han, Inc. Overload limiter for snow blowers. 3,313,049, 4–11–67, Cl. 37—43.
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Bluestein, Ben A., to General Electric Co. Substituted silanes. 3,310,578, 3–21–67, Cl. 260—448.8.
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Blum, Asher S., to Zenith Radio Corp. Multi-electrode acoustic amplifier with unitary transducing and translating medium. 3,334,307, 8–1–67, Cl. 330—5.
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Blum, Heinz, and H.-J. Edler, to Hooker Chemical Corp. Process for providing an improved phosphate insulating coating on ferrous magnetic material. 3,297,493, 1–10–67, Cl. 148—6.15.

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Blum, Louis, and W. J. Horgan, Jr., to Blumcraft of Pittsburgh. Barrier structure. 3,312,029, 4–4–67, Cl. 52—495.

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Blum, Louis, and W. J. Horgan, Jr., to Blumcraft of Pittsburgh. Ornamental railing. 3,351,324, 11–7–67, Cl. 256—68.

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Blum, Pierre, L. Bochirol, and C. Moreau, to Commissariat a l'Energie Atomique. Process for the fabrication of bodies formed by dispersion of refractory material within a pyrocarbon matrix which is impervious to gases. 3,325,570, 6–13–67, Cl. 264—.5.

Blum, Pierre, P. Guinet, and H. Vaugoyeau, to Commissariat a l'Energie Atomique. Nuclear fuel material of $U_3C_3Si_2$ and method of preparation. 3,336,116, 8–15–67, Cl. 23—346.

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Blumberg, Martin, and J. A. Holly, to United States of America, Army. Transistorized pulse to D.C. converter. 3,315,095, 4–18–67, Cl. 307—88.5.

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Blum, Louis, and Horgan. 3,312,029.
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Blume, Horst K., to Phoenix Precision Instrument Co. Photoelectric dual pump control providing a constant combined output. 3,304,869, 2–21–67, Cl. 103—11.

Blume, Maurice. Fence stretcher. 3,350,064, 10–31–67, Cl. 254—83.

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Blume, William E. Arrangement for counting pieces of cloth. 3,327,942, 6–27–67, Cl. 235—98.

Blume, William E. Twisted hook terminal for roding ducts. 3,330,533, 7–11–67, Cl. 254—134.3.

Blumel, Harald, O. Wiechulla, and H. Springmann, to Chemische Werke Huls Aktiengesellschaft. Vulcanization accelerator. 3,328,363, 6–27–67, Cl. 260—79.5.

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Boissonnas, Roger, and R. Huguenin, to Sandoz Ltd. (also known as Sandoz A.G.). Novel polypeptides and intermediates for the preparation thereof. 3,299,036, 1–17–67, Cl. 260—112.5.
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Boissonnas, Roger, and S. Guttmann, to Sandoz Ltd. Alanine 4-oxytocin. 3,318,864, 5–9–67, Cl. 260—112.5.
Boissonnas, Roger, and E. Sandrin, to Sandoz Ltd. L-prolyl-L-seryl-L-lysyl-L-alanyl-L-phenylalanyl-L-isoleucyl-glycyl - L-leucyl-L-methionine amide. 3,328,382, 6–27–67, Cl. 260—112.5.
Boissonnas, Roger, R. Huguenin, B. Berde, and W. Schalch, to Sandoz, Ltd. (also known as Sandoz A.G.) Phe-2-orn-8-oxytocin. 3,352,843, 11–14–67, Cl. 260—112.5.
Boissonnas, Roger, S. Guttmann, and J. Pless, to Sandoz Ltd., also known as Sandoz A.G. Nleu^{4}-lys^{17}-lys^{18}-α^{1-25}-ACTH-val^{25}-amide. 3,352,844, 11–14–67, Cl. 260—112.5.
Boiston, David A., and D. C. F. Pratt, to Courtaulds Ltd. Manufacture of anhydrous sodium sulphate. 3,331,661, 7–18–67, Cl. 23—121.
Boisvert, Lilliane B. Mouth protector for saliva ejector. 3,333,340, 8–1–67, Cl. 32—33.
Boitas, Edward J., and L. D. Tearne, to International Telephone and Telegraph Corp. Carrier for pneumatic-tube system. 3,323,755, 6–6–67, Cl. 243—35.
Boitel, Arwed C., to Alton Box Board Co. Package for books and method of making the same. 3,325,964, 6–20–67, Cl. 53—32.
Bojanowski, Richard F., and J. W. Herndon, to Petro-Tex Chemical Corp. Dehydrogenation process. 3,356,750, 12–5–67, Cl. 260—656.
Bojner, Gösta: *See*—
Bojner, Gustav and Gösta. 3,325,912.
Bojner, Gustav. Device in rotatable drums for suspending chain systems for heat exchange. 3,333,837, 8–1–67, Cl. 263—33.
Bojner, Gustav and Gösta. Apparatus for treatment of loose materials with gaseous mediums. 3,325,912, 6–20–67, Cl. 34—169.
Bokros, Jack C., W. V. Goeddel, J. Chin, and R. J. Price, to United States of America, Atomic Energy Commission. Pyrolytic carbon coated particles for nuclear applications. 3,298,921, 1–17–67, Cl. 176—67.
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Picard, Pierre, and Bokshorn. 3,297,848.
Boksjo, Carl I., to Allmanna Svenska Elektriska Aktiebolaget. Mercury arc rectifier for current converter. 3,300,684, 1–24–67, Cl. 315—323.
Boksjo, Carl I., to Allmanna Svenska Elektriska Aktiebolaget Vasteras. Over voltage protection means for high voltage mercury arc rectifiers. 3,310,707, 3–21–67, Cl. 315—123.
Boksjö, Carl I., to Allmanna Svenska Elektriska Aktiebolaget. Vapor rectifier with deionization control by an auxiliary vapor rectifier. 3,344,309, 9–26–67, Cl. 315—163.
Boksjo, Carl I., and E. G. Hedenbo, to Allmanna Svenska Elektriska Aktiebolaget. Rectifier and voltage divider means utilized as by-pass means for converters. 3,302,094, 1–31–67, Cl. 321—27.
Boland, Lawrence J.: *See*—
Zeitler, Carl, Jr., and Boland. 3,354,430.
Boland, Leonard A., to General Motors Corp. Seat belt retractor. 3,319,998, 5–16–67, Cl. 297—388.
Boland, Paul, J. D. Fleming, Jr., and J. N. Harris, to Georgia Tech Research Institute. Porosity data apparatus. 3,309,-912, 3–21–67, Cl. 73—38.
Bolda, Frank J.: *See*—
Gulliksen, John T., Bolda, Hallstead, and Oldaker. 3,307,246.
Bolda, Frank J., J. T. Gulliksen, and H. K. Hazel, to International Business Machine Corp. Method of making electrical connectors and connections. 3,320,658, 5–23–67, Cl. 5–23–67, Cl. 29—155.5.
Bolda, Frank J., J. T. Gulliksen, A. E. Oldaker, and R. F. Ross, to International Business Machines Corp. Indium-bismuth-gold alloys. 3,323,912, 6–6–67, Cl. 75—134.
Bolde, Michael W. Dental materials mixing apparatus. 3,342,-460, 9–19–67, Cl. 259—122.
Boldebuck, Edith M., and J. F. Klebe, to General Electric Co. Silylated polyamide-acids and compositions thereof. 3,303,-157, 2–7–67, Cl. 260—30.4.
Bolden, Harold E. Lens holding chuck. 3,321,870, 5–30–67, Cl. 51—125.
Bolding, Benson H., Sr. Scratcher attachment for oil well casing. 3,357,494, 12–12–67, Cl. 166—173.
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Bole, Claude E., to United States Steel Corp. Temporary liner flue assembly for repairing masonry stacks. 3,352,072, 11–14–67, Cl. 52—127.
Boles, David R., J. S. Davis, and P. E. Wells, to The Banker Ramo Corp. Multi-apertured memory arrangement. 3,309,-681, 3–14–67, Cl. 340—174.
Bolesky, John D., to Thermo-O-Disc, Inc. Snap acting thermal disc with bent-over angulated leaf spring contact member. 3,317,693, 5–2–67, Cl. 200—138.
Bolesky, Richard C., to Uniroyal, Inc. Methods and apparatus for making cushioned articles. 3,325,329, 6–13–67, Cl. 156—216.
Bolesky, Richard C., to United States Rubber Co. Method of fastening. 3,344,504, 10–3–67, Cl. 29—432.2.
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Bolez, Carl A., and J. A. Pryor, to Air Products and Chemicals, Inc. Hydrogen purification system with separated vapor and liquid mixed to provide a heat exchange medium. 3,359,744, 12–26–67, Cl. 62—36.
Bolger, James W., to Rexall Drug and Chemical Co. Substituted 3-hydroxydibenzopyrans. 3,325,489, 6–13–67, Cl. 260—247.2.
Bolger, James W., to Rexall Drug and Chemical Co. Substituted 1-hydroxydibenzopyrans. 3,325,490, 6–13–67, Cl. 260—247.2.
Bolger, John C.: *See*—
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Bolhofer, William A., to Merck & Co., Inc. 3,4-dihydro-2,5-dimethoxynaphthalene. 3,321,530, 5–23–67, Cl. 260—613.
Bolhofer, William A., and J. J. Baldwin, to Merck & Co., Inc. Cycloaliphatic substituted naphthyloxy-alkanoic acids and a method for their preparation. 3,347,910, 10–17–67, Cl. 260—520.
Bolick, Fred C., Jr., to Lanier Electronics Laboratory, Inc. Method and apparatus for binding paper. 3,321,786, 5–30–67, Cl. 11—1.
Bolick, Fred C., Jr., to Lanier Electronics Laboratory, Inc. Remote call-in multiple recorder switching system. 3,328,-536, 6–27–67, Cl. 179—100.1.
Bolick, Fred C., Jr., to Lanier Electronics Laboratory, Inc. Endless tape control device. 3,347,432, 10–17–67, Cl. 226—50.
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Johansson, Fritz A., Lundgren, and Magnuson. 3,319,-728.
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Bolie, Victor W., to Iowa State University Research Foundation, Inc. Artificial heart cycling system. 3,337,878, 8–29–67, Cl. 3—1.
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Boling, Kurt G. R.: *See*—
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Bolinger, Edgar D., to Deering Milliken Research Corp. Coating compositions of unsaturated monocarboxylic acid polymer and polyurethane. 3,360,494, 12–26–67, Cl. 260—29.6.
Bolinger, George N. Motor vehicle warning signal. 3,317,893, 5–2–67, Cl. 340—96.
Bolinger, Howard and R. W. Material spreading vehicle. 3,334,760, 8–8–67, Cl. 214—355.
Bolinger, Ralph W.: *See*—
Bolinger, Howard and R. W. 3,334,760.
Bolk, Ary, W. C. P. M. Meerman, and P. J. Buysman, to North American Philips Co., Inc. Method of making a casting mold. 3,339,621, 9–5–67, Cl. 164—26.
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Bolkow Gesellschaft mit beschrankter Haftung: *See*—
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Grasmuck, Dieter. 3,312,835.
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Boll, Richard H., to The Babcock & Wilcox Co. Apparatus for the generation of electric energy. 3,309,546, 3–14–67, Cl. 310—11.
Bollag, Werner, H. Gutmann, B. Hegedüs, A. Kaiser, A. Langemann, M. Muller, and P. Zeller, to Hoffmann-La Roche Inc. Substituted hydrazine derivatives and process for the manufacture thereof. 3,330,837, 7–11–67, Cl. 260—296.
Bolland, Roger Y. H. H., to Societe Anonyme Glaceries Reunies. Fluid quenching apparatus for producing a differentially toughened zone in a toughened glass. 3,304,166, 2–14–67, Cl. 65—273.
Bollar, Leo C. Impact apparatus. 3,352,143, 11–14–67, Cl. 72—445.
Bollen, Hans: *See*—
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Bollen, Walter M., G. H. Goff, and W. L. Short, to Chevron Research Co. Ammonia recovery process. 3,335,071, 8–8–67, Cl. 203—85.
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Ells, Myron B., and Bollenbach. 3,349,993.
Boller, Arthur, A. Furst, and E. G. Herzog, to Hoffmann-La Roche, Inc. 10-alkyl steroids and processes for their preparation. 3,309,386, 3–14–67, Cl. 260—397.3.
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Snider, Gerald E., and Boller. 3,311,495.
Boller, Ernest R.: *See*—
Snider, Gerald E., and Boller. 3,311,495.
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Bollert, Volker, U. Curtius, G. Fritz, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Phosphoric acid diaryl esters as catalysts in transesterification of diarylcarbonates with dihydric phenols. 3,321,439, 5–23–67, Cl. 260—47.
Bollesen, Vernon P., and L. F. Slattery, to Control Data Corp. Transformer switching matrix. 3,317,896, 5–2–67, Cl. 340—166.
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Bollig, Georg: *See*—
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Bollig, Georg, to Schloemann Aktiengesellschaft. Means for securing units consisting of a shear blade and its mounting to the saddles of sheet-metal shears. 3,313,195, 4–11–67, Cl. 83—698.
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Bolliger, Hans, to E. Mettler-Muller A.G. Vending machine for thread spools and other substantially spool-like articles. 3,300,015, 1–24–67, Cl. 194—2.
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Maennig, Heinrich, and Bolling. 3,317,204.
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Matsuoka, James T. 3,352,542.
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Bolling, Thomas J., Jr. Closed fluid system for sealing valve closure elements. 3,353,783, 11–21–67, Cl. 251—172.
Bollinger, Harold N. Elastic extension device. 3,353,817, 11–21–67, Cl. 267—69.
Bollinger, Luther L., Sr.: *See*—
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Bollman, John A., A. A. Gates, and H. C. Voss, assors. of ¼ to said J. A. Bollman, ¼ to M. H. Rechnitz, and ¾ to R. J. Martin. Stamp affixing machine. 3,346,439, 10–10–67, Cl. 156—522.
Bollmeier, Emil W., to Minnesota Mining and Mfg. Co. Self-cleaning high tension insulator. 3,324,223, 6–6–67, Cl. 174—30.
Bolner, Thomas E., to Thiokol Chemical Corp. Mold for making insulated rocket motor nozzles. 3,307,221, 3–7–67, Cl. 18—16.5.
Bolognesi, Giampaolo, to Semel S.p.A. Resistor sensitive to temperature and process for manufacturing it. 3,329,917, 7–4–67, Cl. 338—22.
Bolotin, Boris M., L. S. Kurnosova, O. N. Koroljkova, D. A. Drapkins, J. A. Terskoi, L. G. Sinjaver, V. G. Brudz, and G. D. Jarovaja, to Vsesojuzny Nauchno-Issledorateljsky Institute Khimicheskikh Realktivov I Osobo Chirstykh Khimicheskikh Veshchesty. Process of manufacturing substituted 2-(2-arylsulphonyl aminophenyl)-4H,3,1-benzoxazin-4-one. 3,335,137, 8–8–67, Cl. 266—244.
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Bolster, Morris F., to General Electric Co. High power microwave load. 3,312,914, 4–4–67, Cl. 333—22.
Bolster, Morris F., N. C. Gittinger, E. S. Sampson, and J. R. Whitten, to General Electric Co. Ranging system. 3,305,682, 2–21–67, Cl. 246—167.
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Chelminski, Stephen V. 3,310,128.
Bolt Beranek and Newman Inc.: *See*—
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Klepper, David L. 3,299,206.
Marill, Thomas M., and Edwards. 3,347,988.
Watters, Bill G., and Kurtze. 3,347,335.
Bolt, Richard R., and D. E. Wobbe, to American Can Co. Method of forming a coated metal container and article produced thereby. 3,360,157, 12–26–67, Cl. 220—64.
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Boltniew, Alexander, to Hercules Inc. Electrostatic flocking process using modified stereoregular polypropylene fibers. 3,356,521, 12–5–67, Cl. 117—17.
Bolton, Benjamin A., and J. R. Stephens, to Standard Oil Co. Polytrimellitamide solutions and coatings therefrom. 3,320,202, 5–16–67, Cl. 260—30.2.
Bolton, Cecil G., Jr. Fluid coupling. 3,334,860, 8–8–67, Cl. 251—149.1.
Bolton, Donald P., to Basic Products Corp. Regulating transformer system. 3,344,341, 9–26–67, Cl. 323—45.
Bolton, Douglas H. H.: *See*—
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Bolton, Douglas H. H., F. Pawling, and M. C. Potts, to Dowty Mining Equipment Ltd. Advanceable roof support assemblies. 3,319,529, 5–16–67, Cl. 91—189.
Bolton, Douglas H. H., M. C. Potts, and F. Pawling, to Dowty Mining Equipment Ltd. Roof support assemblies. 3,320,858, 5–23–67, Cl. 91—1.
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Bolton, James F. 3,337,057.
Bolton, James F., to J. F. Bolton. Settling tanks for sewage. 3,337,057, 8–22–67, Cl. 210—527.
Bolton, Norman A., to General Signal Corp. Traffic signal controller. 3,299,401, 1–17–67, Cl. 340—41.
Bolton, Robert H., to Sperry Rand Corp. Control circuits for hysteresis motors. 3,302,084, 1–31–67, Cl. 318—166.
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Bolz, Robert E., to Bolz Pelting Service, Inc. Pelt drying frame. 3,313,038, 4–11–67, Cl. 34—103.

Bolza-Schunnemann, Hans-Bernhard, to Schellpressenfabrik Koenig & Bauer Aktiengesellschaft. Folding blade carrier with tubular, double sun gearing. 3,348,837, 10–24–67, Cl. 270—77.

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Bombardier, Germain. Endless track for track-laying vehicle. 3,347,601, 10–17–67, Cl. 305—35.

Bombardieri, Adriano. Mixing-metering device for ice-creams. 3,340,825, 9–12–67, Cl. 107—31.

Bomberger, Howard B., Jr., to Crucible Steel Co. of America. Methods for the elevated temperature protection of metallic surface, and coatings therefor. 3,295,346, 1–3–67, Cl. 72—44.

Bomh, Henry L. Girder crane monorail beam. 3,319,580, 5–16–67, Cl. 104—98.

Bon, Charles K.: *See* Neipert, Marshall P., and Bon. 3,306,700. Neipert, Marshall P., and Bon. 3,326,674.

Bon, Charles K., R. E. Carr, and M. P. Neipert, to The Dow Chemical Co. Electrolytic cell and anode assembly therefor. 3,310,462, 3–21–67, Cl. 204—219.

Bonafide Mills, Inc.: *See*— Slosberg, David K. 3,322,872.

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Bonanno, Ernest J.: *See*— Murphy, Robert J., Spellnes, Miller, Bonanno, Glenner, and Sikorski. 3,328,534.

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Bonanno, Joseph L., to De Luxe Reading Corp. Signaling device for helmets. 3,309,691, 3–14–67, Cl. 340—321.

Bonanno, Joseph L., to DeLuxe Topper Corp. Display box for dolls and the like. 3,324,997, 6–13–67, Cl. 206—45.34.

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Bond, Beverly B., and J. Schnapp, to Ronson Corp. Inner cutter mounting for power shavers. 3,319,334, 5–16–67, Cl. 30—43.92.

Bond, Donald C., to Union Oil Co. Apparatus for detecting change in liquid composition flowing in pipeline. 3,306,320, 2–28–67, Cl. 137—624.13.

Bond, Donald C., to Union Oil Co. of California. Secondary recovery method with surfactant in fracturing fluid. 3,335,794, 8–15–67, Cl. 166—9.

Bond, Donald C., to Union Oil Co. Method for recovering oil from subterranean formations. 3,342,261, 9–19–67, Cl. 166—11.

Bond, Donald C., and G. G. Bernard, to Union Oil Co. of California. Forming foam under reservoir conditions in petroleum recovery process. 3,318,379, 5–9–67, Cl. 166—9.

Bond, Donald S., to Radio Corp. of America. Pulse echo recognition systems. 3,312,970, 4–4–67, Cl. 343—6.

Bond, Frank: *See*— Webb, Ernest C., Bond, Kegg, and Moranz. 3,337,902.

Bond, Fred W. H., to ABC Systems, Inc. Display fountain. 3,337,134, 8–22–67, Cl. 239—19.

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Bond, Harry L. F., and R. D. Swallow, to Davy and United Engineering Co. Ltd. Rolling mills. 3,342,054, 9–19–67, Cl. 72—238.

Bond, Herbert M., and R. B. Snell, Minnesota Mining and Mfg. Co. High dielectric strength insulating composition. 3,298,992, 1–17–67, Cl. 260—41.5.

Bond, Herbert M., and J. Tomita, to Minnesota Mining and Mfg. Co. Oil resistant non-contaminating adhesive tapes. 3,307,690, 3–7–67, Cl. 206—59.

Bond, John J., to No-Sag Spring Co. Chair spring construction. 3,356,358, 12–5–67, Cl. 267—102.

Bond, John J., to Lear Siegler, Inc. Prestressed furniture spring. 3,356,359, 12–5–67, Cl. 267—102.

Bond, Raymond L., F. J. Pinchin, and M. J. Jenkins, to United Kingdom Atomic Energy Authority. Method of forming graphite articles. 3,300,550, 1–24–67, Cl. 264—29.

Bond, Richard A. B.: *See*— Snowdon, Charles, and Bond. 3,304,409.

Bond, Robert D., to B. C. Ames Co. Breakaway connection. 3,339,845, 9–5–67, Cl. 239—283.

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Bond, Robert M. Apparatus for sharpening saws or the like. 3,357,278, 12–12–67, Cl. 76—43.

Bondarenko, Donald D., to American Cyanamid Co. Herbicidal compositions and processes of controlling undesirable plant species in the presence of crops therewith. 3,351,458, 11–7–67, Cl. 71—121.

Bondareva, Valerija D.: *See* Karpenko, Alexei K., Bondareva, Malinin, Dmolsnisky, Koroleva, Poljakov, and Saveljev. 3,356,045.

Bonde, Robert L.: *See*— Lindberg, Charles W., Tlam, and Bonde. 3,302,572.

Bondesen, Anton J., Jr., and R. F. Carr. Ski line winder. 3,326,493, 6–20–67, Cl. 242—107.4.

Bondesson, Erik, and E. Tehler. Panel structures for suspending display stands. 3,315,818, 4–25–67, Cl. 211—148.

Bondrolt, Fritz, to Goetzewerke Friedrich Goetz A.-G. Sealing means for flanges, especially for cylinder heads. 3,346,266, 10–10–67, Cl. 277—153.

Bond's Wear Pty. Ltd.: *See*— Kennedy, Alan M., and Wood. 3,354,852.

Bondurant, James A.: *See*— Humpherys, Allan S., and Bondurant. 3,300,985.

Bondy, Clemens: *See*— Cruden, John M. and Bondy. 3,321,431.

Bone, Evan P., deceased (by L. M. Bone, executrix), to J. Page Hayden. Head light having ellipsoidal reflector. 3,345,510, 10–3–67, Cl. 240—41.3.

Bone, Leah M.: *See*— Bone, Evan P. 3,345,510.

Bone, Ronald D. C.: *See*— Barron, James O., Coomes, and Bone. 3,352,221.

Boneck, Roger L. Hinged supports. 3,337,904, 8–29–67, Cl. 16—135.

Bonecutter, Charles A.: *See*— Murib, Jawad H., and Bonecutter. 3,324,146.

Bonessa, Vick G.: *See*— Bageman, James C., Bonessa, and Roe. 3,326,051.

Bonetti, Giovanni A.: *See*— Michalski, Conrad, and Bonetti. 3,297,769.

Bonetti, Giovanni A., and R. Rosenthal, to The Atlantic Refining Co. Conversion of nitroolefins to nitroalcohols. 3,347,939, 10–17–67, Cl. 269—641.

Bonfield, John H., and A. W. Sogn, to Allied Chemical Corp. Process for separating cyclohexane oxidation products. 3,350,444, 10–31–67, Cl. 260—531.

Bongard, James A., and M. R. Swinehart, to Cutler-Hammer, Inc. Sealed switches. 3,327,262, 6–20–67, Cl. 335—154.

Bongenaar, Willem, to North American Philips Co. Inc. Magnetic core switch. 3,351,772, 11–7–67, Cl. 307—88.

Bongort, Edgar A.: *See*— Akin, Welling T., and Bongort. 3,313,902.

Bonheim, Hans J.: *See*— Gruettner, Gerard G., and Bonheim. 3,356,022.

Bonheimer, Howard P.: *See*— Scopelite, Thomas M., Hlavacek, and Bonheimer. 3,316,103.

Bonhoff, Willi, to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Rolling mill stand. 3,298,215, 1–17–67, Cl. 72—238.

Bonhote, Rene: *See*— Reuge, Henri, Bonhote, and Chevalier. 3,325,178.

Boni, Robert E., and J. E. Heck, to Armco Steel Corp. Method of producing low oxygen oriented silicon-iron. 3,305,354, 2–21–67, Cl. 75—129.

Bonic, Isaac. Combination snow shovel and scraper. 3,334,939, 8–8–67, Cl. 294—51.

Boniface, Edmund A., to Lockheed Aircraft Corp. Cockpit sound recorder. 3,327,067, 6–20–67, Cl. 179—100.2.

Boniface, Peter E.: *See*— Keck, James C., and Boniface. 3,324,303.

Bonilla, Charles F., and W. T. Sha, to United States of America, Atomic Energy Commission. Void detection utilizing neutron attenuation. 3,350,564, 10–31–67, Cl. 250—106.

Bonin, Edward L.: *See*— Biard, James R., and Bonin. 3,321,631. Biard, James R., Bonin, Kilby, and Pittman. 3,304,431.

Bonin, Edward L., and J. S. Kilby, to Texas Instruments Inc. Electrical chopper comprising photosensitive transistors and light emissive diode. 3,304,429, 2–14–67, Cl. 250—217.

Bonin, George E., to Corning Glass Works. Grinding and polishing pad. 3,355,843, 12–5–67, Cl. 51—397.

Bonin, Richard E., and J. R. Tucker, Jr., to General Electric Co. Electrical cable support. 3,335,326, 8–8–67, Cl. 317—99.

Bonino, Bruce S., to United States Rubber Co. Instrument and method for profile generation. 3,315,265, 4–18–67, Cl. 346—1.

Bonis, George, to Sunstates Sportswear, Inc. Sewing machine control system. 3,298,341, 1–17–67, Cl. 112—219.

Bonis, Laszlo J., to Ilikon Corp. Lubricant composition and articles and process of preparing and using the same. 3,297,571, 1–10–67, Cl. 252—12.

Bonis, Laszlo J. to Ilikon Corp. Method of grain refining zinc. 3,360,366, 12–26–67, Cl. 75—178.

Bonis, Laszlo J., O. A. Sandven, and B. Manning, to Ilikon Corp. Method of heating and forming powdered metals. 3,331,686, 7–18–67, Cl. 75—226.

Bonis, Laszlo J., and A. F. Witt, to Ilikon Corp. Method of blowing aluminum. 3,342,248, 9–19–67, Cl. 164—55.

Bonjour, Maurice: *See*— Raeber, Victor, and Bonjour. 3,306,367.

Bonk, Basil A., to General Radio Co. Method of and apparatus for computation particularly suited for microphone absolute calibration. 3,327,071, 6–20–67, Cl. 179—175.1.

Bonk, Chaim, and S. Rafowitz. Cap. 3,358,292, 12–19–67, Cl. 2—172.

Bonk, Leon F.: *See*—
Fahey, James H., Jr., Dahl, Frederickson, and Bonk. 3,349,239.
Bonmarin, Jacques: *See*—
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Bonmarin, Jacques, to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques. Process for the treatment of magnesium-silicon aluminum alloys. 3,337,377, 8–22–67, Cl. 148—159.
Bonn, Robert P., to Westinghouse Electric Corp. Strip thickness control apparatus. 3,332,264, 7–25–67, Cl. 72—16.
Bonn, Theodore H., to Honeywell Inc. Laser recorder using medium having encapsulated chemicals. 3,351,948, 11–7–67, Cl. 346—76.
Bonn, Theodore H., R. Brooke, and H. A. Goldman, to Honeywell Inc. Unit record processing apparatus. 3,307,556, 3–7–67, Cl. 129—16.1.
Bonnard, Lucien, to Societe Rhodiaceta. Synthetic linear copolyesters and shaped articles containing them. 3,312,-667, 4–4–67, Cl. 260—75.
Bonnefoy, Jean R. H., to Printed Motors Inc. Flat annular airgap electric rotary machines. 3,354,332, 11–21–67, Cl. 310—268.
Bonnell, Charles R., and K. L. McMillen, to Standard Precision, Inc. Mechanical movement. 3,342,077, 9–19–67, Cl. 74—89.2.
Bonnell, Charles R., and K. L. McMillen, to Electronic Communications, Inc. Roll-stabilized platform. 3,357,242, 12–12–67, Cl. 73—178.
Bonnell, Larry W. Combination agricultural machine. 3,352,-261, 11–14–67, Cl. 111—8.
Bonnell, Roswell W. Suspension swing-hammock, convertible chair, and suspension swing-toy. 3,344,443, 10–3–67, Cl. 5—120.
Bonnell, William L., Co., Inc., The: *See*—
Brunn, John. 3,335,638.
Bonnema, Jentje: *See*—
Phielix, Bernard, and Bonnema. 3,313,856.
Bonner, Raymond E., to International Business Machines Corp. Segmentation method and apparatus. 3,344,399, 9–26–67, Cl. 340—146.3.
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Lentz, Ervin C., Bonner, and Balluff. 3,295,313.
Bonner, Tom W., and W. R. Mills, Jr., to Mobil Oil Corp. Semiconductor radiation detector for use in nuclear well logging. 3,312,823, 4–4–67, Cl. 250—83.3.
Bonner, Willard H., Jr., to E. I. du Pont de Nemours and Co. Crystalline polyalkylene isophthalamide filaments with voids. 3,325,342, 6–13–67, Cl. 161—178.
Bonnet, Georges, to Commissariat a l'Energie Atomique. Device including a logical multiplication matrix for calculating correlation functions. 3,327,103, 6–20–67, Cl. 235—181.
Bonnet, Yannik, and G. Vivant, to Rhone-Poulenc S.A. Cyclopentadecane carboxylic acid and its lower alkyl esters. 3,330,854, 7–11–67, Cl. 260—468.
Bonnette, Roland E., to United Shoe Machinery Corp. Counting devices. 3,310,661, 3–21–67, Cl. 235—92.
Bonnette, Roland E., and F. W. Spencer, to United Shoe Machinery Corp. Conveyor systems. 3,305,073, 2–21–67, Cl. 198—38.
Bonney, Robert B., and C. R. Sublett, to Electronic Engineering Co. of California. Computer language translator. 3,321,609. 5–23–67, Cl. 235—154.
Bonney, Robert E., 25% to S. Brookins, 5% to T. R. Cavines, 5% to C. S. Bailey, and 5% to E. C. Paine. Mold holder assembly for mounting in a molding apparatus. 3,310,276, 3–21–67, Cl. 249—120.
Bonnin, Andre, and S. Yardamian, to Saint Gobain Techniques Nouvelles. Method of preparation of solution containing barium 137. 3,345,305, 10–3–67, Cl. 252—301.1.
Bonning, Nelson G., to Buffalo China, Inc. Cup topping machine. 3,355,840, 12–5–67, Cl. 51—71.
Bono, Luigi, to Necchi Societa per Azioni. Sewing apparatus for sewing in accordance with a pre-formed pattern. 3,349,-731, 10–31–67, Cl. 112—2.
Bono, Luigi, to Necchi Societa per Azioni. Automatic fabric feeder device for sewing machines. 3,352,262, 11–14–67, Cl. 112—2.
Bono, Luigi, to Necchi Societa per Azioni. Pattern sewing device for sewing machines. 3,356,052, 12–5–67, Cl. 112—158.
Bono, Lugi, to Necchi Societa Per Azioni. Apparatus for stopping a sewing machine with its needle in pre-determined position. 3,358,629, 12–19–67, Cl. 112—219.
Bono, Luigi, to Necchi Societa per Azioni. Thread-cutting mechanism for sewing machines. 3,359,933, 12–26–67, Cl. 112—252.
Bono, Philip: *See*—
Webb, James E. 3,295,790.
Bonova Etablissement: *See*—
Smolnik, Felix. 3,359,659.
Bonta, Simon, to Sterling Drug, Inc. Myristyl dimethyl benzylammonium chloride dihydrate. 3,360,563, 12–26–67, Cl. 260—567.6.
Bontempi, Ignatius, to De Francisci Machine Corp. Alimentary paste products can filling machine and method. 3,315,620, 4–25–67, Cl. 107—69.
Bontempi, Ignatius, and I. De Francisci, to De Francisci Machine Corp. Spaghetti drier apparatus. 3,340,991, 9–12–67, Cl. 198—21.
Bontempo, Andrew, to American Telephone and Telegraph Co. Multidigit register circuit having random interrogating means. 3,311,709, 3–28–67, Cl. 179—18.
Bontrager, Lloyd J., to Star Tank and Boat Co. Travel trailer. 3,314,715, 4–18–67, Cl. 296—23.
Bonuchi, James A., J. L. Hathorn, and R. S. Zebarth, to Gordon Johnson Co. Separation of poultry shanks from drumsticks. 3,323,164, 6–6–67, Cl. 17—11.
Bonvallet, Gordon G., to Corning Glass Works. Reflex marker. 3,343,467, 9–26–67, Cl. 94—1.5.
Bonvalot, Pierre, and B. Courtan, to CSF-Compagnie Generale de Telegraphie Sans Fil. Storage tube target and method for making same. 3,354,334, 11–21–67, Cl. 313—68.
Bonvicini, Alberto, and E. Ildos, to Montecatini Edison S.p.A. Poly-alpha-olefin pyridinic polyamide compositions having high receptivity to dyestuffs. 3,320,334, 5–16–67, Cl. 260—857.
Bonvicini, Alberto, and E. Ildos, to Montecatini Edison S.p.A. Treatment of polyolefin-nitrogenous resin fiber with methyl aziridinyl phosphoxides. 3,321,267, 5–23–67, Cl. 8—100.
Bonzi, Stephen A., to The Babcock & Wilcox Co. Precision rotary work table. 3,336,823, 8–22–67, Cl. 77—64.
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Buck, Richard M., and Boodman. 3,300,617.
Booe, James M., to P. R. Mallory & Co., Inc. Electrolytic capacitor with niobium anode and depolarizer in the electrolyte. 3,296,500, 1–3–67, Cl. 317—230.
Booe, James M., to P. R. Mallory & Co., Inc. Atmosphere control within the hermetic enclosure of electrolytic capacitor assemblies. 3,297,918, 1–10–67, Cl. 317—230.
Booe, James M., to P. R. Mallory & Co., Inc. Seal structure in electrolytic device including disc-members and anode spacer. 3,300,692, 1–24–67, Cl. 317—230.
Booher, Carl V.: *See*—
Walker, John C. F., III, and Booher. 3,351,004.
Booher, Richard B., to Owens-Illinois, Inc. Electrical printing using stencil and moving slot powder metering means. 3,307,477, 3–7–67, Cl. 101—114.
Booher, Robert K.: *See*—
Githens, Samuel E., Jr., and Booher. 3,319,057.
Booher, Russell L.: *See*—
Low, Hans, Booher, and Lauck. 3,303,131.
Booij, Jan G., to Aviolanda Maatschappij voor Vliegtuigbovw N.V. Installation for unloading a number of holders. 3,300,027, 1–24–67, Cl. 198—143.
Book Covers, Inc.: *See*—
Mullen, Edward K., and Carter. 3,318,618.
Book, Nils, to Aktiebolaget Motala Verkstad. Apparatus for disintegrating materials by means of liquid jets. 3,326,607, 6–20–67, Cl. 299—58.
Book, Walter R., to Anaconda American Brass Co. Electrical connector. 3,323,100, 5–30–67, Cl. 339—242.
Booker, Aylwin R. Heat shrinkable connector for electrical wire. 3,320,355, 5–16–67, Cl. 174—84.
Booker, Finis E. Complementary acting valves for recirculating fluid distribution apparatus. 3,312,243, 4–4–67, Cl. 137—609.
Booker, Jasper A. Commuter ticket-book holder. 3,315,799, 4–25–67, Cl. 206—40.5.
Books, Ralph C., and P. E. Olson, to Westinghouse Air Brake Co. Automatic control apparatus for variable pitch propellers. 3,302,724, 2–7–67, Cl. 170—135.74.
Bool, Alan G.: *See*—
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Boole, Reginald E. G., to The Wellman Bibby Co. Ltd. Flexible couplings. 3,345,831, 10–10–67, Cl. 64—14.
Boom, Roger W., to North American Aviation, Inc. Stable superconducting magnet. 3,310,765, 3–21–67, Cl. 335—216.
Boomgaard, Dirk J., to Westinghouse Electric Corp. Dual mode oscillator circuit with phase shift circuit to prevent band jumping. 3,324,412, 6–6–67, Cl. 331—117.
Boon, Derk J., to Reeves Bros., Inc. Manufacture of foam material. 3,325,823, 6–13–67, Cl. 264—41.
Boon, Derk J., and K. F. Hager, to Reeves Bros., Inc. Manufacture of foam material. 3,325,573, 6–13–67, Cl. 264—54.
Boon, George B., to Monsanto Co. Pressure vessel and closure. 3,313,599, 4–11–67, Cl. 23—290.
Boon, George B., to Monsanto Co. Pressure vessel closure. 3,315,836, 4–25–67, Cl. 220—46.
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De Wit, Cornelis T., Van Hoesel, and Boon. 3,360,312.
Boon, William. Air sweep conveyor. 3,301,603, 1–31–67, Cl. 302—19.
Boone, Arthur M., G. F. Bridges, and W. R. Shaver, to Pullman Inc. Bridge plate arrangement. 3,323,472, 6–6–67, Cl. 105—458.
Boone, Frank L., and K. W. Maurer, to H. L. Baker. Apparatus for cutting, creasing, scoring, and the like. 3,340,778, 9–12–67, Cl. 93—58.
Boone, Jack L.: *See*—
Badger, Robert E., and Boone. 3,345,491.
Boone, Jack L., to Dow Corning Corp. Oil resistant silicone rubber-metal laminates and method of making same. 3,360,-425, 12–26–67, Cl. 161—186.
Boone, James L., to United States Borax & Chemical Corp. Bicyclic borazole compound. 3,317,596, 5–2–67, Cl. 260—551.
Boone, Philip: *See*—
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Boone, Ralph D. Method and means for moving an irrigation system. 3,302,656, 2–7–67, Cl. 137—1.

Boone, Wallace D.: *See*—
Moore, Glenn E., and Boone. 3,297,064.

Boone, Wallace D., and J. L. Hughes, to Dover Corp. Valve actuating mechanism. 3,315,939, 4–25–67, Cl. 251—67.

Boone, Walter D. Waistband holster. 3,315,855, 4–25–67, Cl. 224—1.

Boonshaft, Julius C., to Weston Instruments, Inc. Piston. 3,319,534, 5–16–67, Cl. 92—162.

Boonshaft, Julius C., to Weston Instruments, Inc. Actuating mechanism. 3,357,676, 12–12–67, Cl. 251—30.

Boonstra, Bram B., and J. H. Atkins, to Cabot Corp. Pellet transports and crush strength testing apparatus. 3,331,241, 7–18–67, Cl. 73—94.

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Boor, John, Jr., to Shell Oil Co. Polymerization of olefins in the presence of titanium trichloride, alkyl aluminum dihalide and a phosphine sulfide or selenide. 3,325,461, 6–13–67, Cl. 260—93.7.

Boorsma, Clarence J.: *See*—
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Boorsma, Clarence J., to Automatic Canteen Co. of America. Check controlled adjustable credit unit. 3,337,018, 8–22–67, Cl. 194—9.

Boos, Hermann, and G. Bollig, to Schloemann Aktiengesellschaft. Means for exchanging units, each consisting of a shear blade and its mounting, in machines for shearing metal sheets or plates. 3,348,704, 10–24–67, Cl. 214—1.

Boosalic, Michael: *See*—
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Booth, Albert B., to Hercules Inc. Thermal reaction of dienes with phenols to produce unsaturated alkyl phenols. 3,336,-398, 8–15–67, Cl. 260—619.

Booth, Franklin W., and H. K. Clark, to United States of America, National Aeronautics and Space Administration. Thermal pump-compressor for space use. 3,309,012, 3–14–67, Cl. 230—162.

Booth, Galt B., to Textron Electronics, Inc. Piezoresistive device. 3,303,452, 2–7–67, Cl. 338—5.

Booth, Gerald, G. T. Douglas, J. S. Hunter, and E. L. Johnson, to Imperial Chemical Industries Ltd. Mono azo dyestuffs. 3,314,935, 4–18–67, Cl. 260—206.

Booth, Grant W., and C. S. Warren, to Radio Corp. of America. Switching network. 3,312,941, 4–4–67, Cl. 340—166.

Booth, Jack J. Slush CO_2 control. 3,359,748, 12–26–67, Cl. 62—136.

Booth, John S. Forced draft refrigerator. 3,299,664, 1–24–67, Cl. 62—419.

Booth, John S. Transparent refrigerator door control. 3,307,373, 3–7–67, Cl. 62—248.

Booth, John S. Torsion door hinge. 3,339,225, 9–5–67, Cl. 16—151.

Booth, Lendon W. Tree pruning tool. 3,303,562, 2–14–67, Cl. 30—166.

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Booth, Robert E., and E. R. Degginger, to Allied Chemical Corp. Trialkylolamine polyester polyols. 3,332,934, 7–25–67, Cl. 260—209.

Booth, Thomas M., to T. & T. Vicars Ltd. Wafer making machines. 3,338,188, 8–29–67, Cl. 107—54.

Boothe, James H.: *See*—
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Boothroyd, Howard W., to Sanders Associates, Inc. Vernier balancing and damping for gyro systems. 3,347,104, 10–17–67, Cl. 74—5.5.

Boothroyd, Howard W., H. E. Perry, J. M. Buzzell, and T. W. Nachazel, to Sanders Associates, Inc. Constant damping gyro system. 3,352,163, 11–14–67, Cl. 74—5.5.

Booty, Donald J., and G. J. Kamka, to A. Schechter. Dispensing apparatus. 3,308,992, 3–14–67, Cl. 222—76.

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Jauernik, Edmund, and Bopp. 3,351,867.

Bopp, Cecil W., to The Greater Iowa Corp. Combination vehicle trailer and lifting device. 3,301,416, 1–31–67, Cl. 214—75.

Bopp, Cecil W., to The Greater Iowa Corp. Wheel mounted unloading fork. 3,301,420, 1–31–67, Cl. 214—372.

Bopp, Cecil W., to The Greater Iowa Corp. Telescoping boom for material handling mechanism. 3,307,713, 3–7–67, Cl. 212—55.

Bopp & Reuther G.m.b.H.: *See*—
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Bopp, Warren G., T. F. Knapp, and M. L. Oilman, to Dura Corp. Transaxle assembly for electric motor and gas engine driven golf carts. 3,300,698, 1–24–67, Cl. 318—139.

Boppart, Loren P., and G. W. Berryhill, to Starline, Inc. Silage distributor. 3,353,691, 11–21–67, Cl. 214—17.

Borack, Joseph, to Tapeprinter, Inc. Color changeable embossable laminate. 3,309,257, 3–14–67, Cl. 161—6.

Borack, Joseph, to Com-Tech, Inc. Hand printer and method of making same. 3,315,601, 4–25–67, Cl. 101—368.

Boragina, Vincent, G. W. Schneider, and S. J. Stramaglia. Registration device for spacing and punching registration holes. 3,322,014, 5–30–67, Cl. 83—468.

Borah, John E. Lubricating fixture guard. 3,332,515, 7–25–67, Cl. 184—88.

Borah, John E. Mold mounting structure for press. 3,343,218, 9–26–67, Cl. 18—16.

Borah, John E. Golf putter with a shaft connected intermediate a spherical element and a head. 3,343,839, 9–26–67, Cl. 273—80.2.

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Borchard, Heinz, and E. Herrmann, to Teldec-Telefunken-Decca-Schallplatten G.m.b.H. Release means. 3,311,951, 4–4–67, Cl. 18—5.3.

Borchardt, Hans J., to E. I. du Pont de Nemours and Co. Selected luminescent molybdates and tungstates of Sc, La, Eu, Gd, and Lu. 3,328,311, 6–27–67, Cl. 252—301.5.

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Borchert, Carl F., to Avco Corp. Composite superconductor. 3,332,047, 7–18–67, Cl. 335—216.

Borchert, Gerhard E., E. Drager, H. W. H. Born, H. Mewes, and A. W. O. Pingel, to Bundesdruckerei. Machine for sorting paper stacks. 3,335,859, 8–15–67, Cl. 209—111.6.

Borchert, Peter J., to Miles Laboratories, Inc. Dispersions and process therefor. 3,313,641, 4–11–67, Cl. 106—213.

Borck, Joachim, K. Schulte, H. Muller-Calgan, and S. Sommer, to E. Merck Aktiengesellschaft. Novel piperidine derivatives. 3,328,411, 6–27–67, Cl. 260—293.

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Borck, Walter C., Jr., and D. K. Sloper, to Westinghouse Electric Corp. Parallel computer system control. 3,308,-436, 3–7–67, Cl. 340—172.5.

Borcuk, Michael W. Ice anchor. 3,305,984, 2–28–67, Cl. 52—155.

Bord, Max. Slidable blade type safety razor having an adjustable razor head and blade exposure means. 3,317,995, 5–9–67, Cl. 30—87.

Bordel-Mathiolon, Henri: *See*—
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Borden, Alec J. Liquid extractor system. 3,347,455, 10–17–67, Cl. 233—19.

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Bosco, George B., Jr., and H. E. Corbitt, to Aerojet-General Corp. Brushless alternator for vehicles. 3,320,450, 5–16–67, Cl. 310—168.

Bose, Ajay K., and R. T. Dahill, Jr., to Research Corp. Cyanomethylene steroid compounds. 3,337,590, 8–22–67, Cl. 260—397.

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Bose, Robert N., W. I. Tibbits, and R. I. Ranum, to Whirlpool Corp. Carbon dioxide generator. 3,348,922, 10–24–67, Cl. 23—281.

Boser, Bernard E., and J. A. Mares. Flower pot supporting attachment for cemetery monuments. 3,310,911, 3–28–67, Cl. 47—39.

Boser, Ronald J. Sewing machine presser foot having an adjustable shank. 3,326,159, 6–20–67, Cl. 112—235.

Boser, Ronald J. Adjustable pressure foot construction for sewing machines. 3,334,605, 8–8–67, Cl. 112—235.

Boser, Ronald J., to B & W Mfg. Co., Inc. Sewing machine feeder drive means. 3,349,734, 10–31–67, Cl. 112—203.

Boser, Ronald J., and E. Weschler. Sewing machine triple feeder attachment for stitching elastic to cloth pieces. 3,295,484, 1–3–67, Cl. 112—158.

Boser, Ronald J., and E. L. Weschler. Positive margin control attachment for sewing machines. 3,334,603, 8–8–67, Cl. 112—152.

Boshold, Raymond F., to Baldwin-Lima-Hamilton Corp. Extrusion press container apparatus. 3,352,141, 11–14–67, Cl. 72—272.

Bosko, John L.: *See*—
Bosko, John M. and J. L. 3,336,617.
Bosko, John M. and J. L., and Lindecker. 3,334,899.

Bosko, John M. and J. L., and J. B. Lindecker. Weighted fluid-containing exerciser with transparent walls. 3,334,899, 8–8–67, Cl. 272—84.

Bosko, John M. and J. L. Paint brush holder with telescopic handle sections. 3,336,617, 8–22–67, Cl. 15—146.

Bosland, Cornelius W., B. R. McFadden, and R. J. Brookman, to AMP Inc. Assembly and drive mechanism for electrical switches and connectors. 3,348,102, 10–17–67, Cl. 317—112.

Bosland, James M., to Ketcham & McDoughald, Inc. Perpetual calendar. 3,333,356, 8–1–67, Cl. 40—114.

Bosler, Gerald E., W. H. Graham, and D. R. Trump, to North Electric Co. Core threading apparatus. 3,336,650, 8–22–67, Cl. 29—203.

Bosler, Krell, to Borg-Warner Corp. Self-rimming lavatory. 3,358,296, 12–19–67, Cl. 4—187.

Bosley, Denis V. Slide changing mechanism. 3,355,827, 12–5–67, Cl. 40—79.

Bosma, Hendrik, to North American Philips Co., Inc. Band line circulator having equal capacitances at each port in order to reduce the optimum operating frequency. 3,311,849, 3–28–67, Cl. 333—1.1.

Bosman, Aleidus: *See*—
Gordon, Gerald M., and Bosman. 3,333,461.

Bosman, Leendert, to Lips N.V. Copper base alloys containing manganese and aluminium. 3,297,437, 1–10–67, Cl. 75—157.5.

Bosman, Leendert, to Lips N.V. Copper base alloys containing manganese, aluminum and zinc. 3,323,913, 6–6–67, Cl. 75—157.5.

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Bosold, Leonard R., to Republic Steel Corp. Universal electrode clamps. 3,317,647, 5–2–67, Cl. 13—16.

Bosquain, Maurice, and M. Grenier, to l'Air Liquide Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude. Heat exchanger with baffle structure. 3,326,280, 6–20–67, Cl. 165—161.

Bosquet, Maurice E. Meteorological alarm clock. 3,315,462, 4–25–67, Cl. 58—152.

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Bossa, Eduardo. Plastic compound catenary for anchorage and pipeline and/or cable support in any sea zone and depth. 3,295,489, 1–3–67, Cl. 114—206.

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Bossard, Werner: *See*—
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Voltz, Jacques, and Bossard. 3,321,460.
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Bossard, Werner, and H. Bosshard, to J. R. Geigy A.G. β-Arylated naphthoxidine containing mono azo dyestuffs. 3,320,234, 5–16–67, Cl. 260—205.

Bossard, Werner, and F. Favre, to J. R. Geigy, A-G. Waterdispersible mono-azo dyestuffs. 3,344,133, 9–26–67, Cl. 260—163.

Bosse, Robert W., to Groov-Pin Corp. Insert orienting equipment 3,310,153, 3–21–67, Cl. 198—33.

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Bosshard, Hans H., P. Ulrich, H. P. Schaub, and E. J. Koller, to Ciba Corp. Process for dyeing and printing with reactive dyestuffs. 3,325,242, 6–13–67, Cl. 8—54.

Bosshard, Hans H., and A. Eschenmoser, to Ciba Ltd. Process for modifying polyamides with an alkylating agent and a nitrogen base in an aqueous medium. 3,340,210, 9–5–67, Cl. 260—9.

Bosshardt, Rolf: *See*—
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Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Method of inducing calming and muscle relaxation with carbamates. 3,313,692, 4–11–67, Cl. 167—65.

Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Carbamate sedative compositions and method of use. 3,313,696, 4–11–67, Cl. 167—65.

Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Carbamate compositions for and methods of treating the central nervous system. 3,313,697, 4–11–67, Cl. 167—65.

Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Compositions for and method of treating the central nervous system. 3,313,699, 4–11–67, Cl. 167—65.

Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Method of treating the central nervous system with substituted phenethyl carbamates and compositions therefor. 3,313,700, 4–11–67, Cl. 167—65.

Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Carbamate compositions and methods of using. 3,338,785, 8–29–67, Cl. 167—65.

Bossung, Kenneth W. Mechanical sorting device. 3,331,507, 7–18–67, Cl. 209—121.

Boster, Samuel B. Thin walled container and closure therefor. 3,307,602, 3–7–67, Cl. 150—.5.

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Lund, Richard B., Vitrone, and Bostian. 3,358,043.
Bostian, Logan C., R. B. Lund, B. C. Oxenrider, and G. J. Schmitt, to Allied Chemical Corp. Polycarbonates prepared from a bis(halo-p-hydroxycumyl)benzene. 3,340,229, 9–5–67, Cl. 260—47.
Bostick, Edgar E., to General Electric Co. Purification of cyclic organopolysiloxanes with heat-activated metal hydrides. 3,332,974, 7–25–67, Cl. 260—448.2.
Bostick, Edgar E., to General Electric Co. Ordered organopolysiloxanes. 3,337,497, 8–22–67, Cl. 260—46.5.
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Bostock, James H., and J. E. Reagan, to Otis Engineering Corp. Self-cycling timing valve device. 3,336,945, 8–22–67, Cl. 137—624.14.
Bostock, Rylance H., Jr., to General Electric Co. Mounting of hardware on axial flow compressor casings. 3,313,475, 4–11–67, Cl. 230—114.
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Smith, Richard E., and Boston. 3,301,157.
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Bostwick, James L. Safety brake actuator. 3,295,422, 1–3–67, Cl. 91—446.
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Boswell, George A., to E. I. du Pont de Nemours and Co. Selected 17,17-difluoro steroids of the estrane series. 3,347,-878, 10–17–67, Cl. 260—397.3.
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Botden, Theodoor P. J., J. T. Klomp, and A. J. C. van der Ven, to North American Philips Co. Inc. Ceramic article with sintered metallic layer and flux. 3,312,533, 4–4–67, Cl. 29—182.3.
Boteler, Henry W., to Grinnell Corp. Method of making valve bodies. 3,300,844, 1–31–67, Cl. 29—157.1.
Boteler, Henry W., to Grinnell Corp. Diaphragm valve and diaphragm therefor. 3,310,279, 3–21–67, Cl. 251—331.
Boteler, Henry W., to Grinnell Corp. Diaphragm valve. 3,310,280, 3–21–67, Cl. 251—331.
Boteler, Henry W., to Grinnell Corp. Diaphragm valve. 3,310,281, 3–21–67, Cl. 251—331.
Boteler, Henry W., to Grinnell Corp. Diaphragm control valves. 3,310,282, 3–21–67, Cl. 251—331.
Boteler, John C. High-strength fastener. 3,298,725, 1–17–67, Cl. 287—189.36.
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Bothmann, Hans, E. Dorn, and W. Krauss, to fur Zinkindustrie vorm. Wilh. Grillo, Aktiengesellschaft. Process for the manufacture of semi-finished products of zinc. 3,340,-715, 9–12–67, Cl. 72—364.
Bothum, John D. Locking mechanism for pliers and the like. 3,313,190, 4–11–67, Cl. 81—323.
Bothwell, Peter W. Low-loading road vehicle. 3,314,685, 4–18–67, Cl. 280—6.
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Bott, Ian B., to Minister of Aviation, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Radiation generator operating in the millimeter and submillimeter wavelength range. 3,353,053, 11–14–67, Cl. 313—154.
Bott, John A. Luggage rack. 3,330,454, 7–11–67, Cl. 224—42.1.
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Bottaccio, Giorgio : *See*—
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Botten, John P., to The Owen Bucket Co. Load grab. 3,317,235, 5–2–67, Cl. 294—112.
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Bottoms, Clifford C. Rotary driving mechanism. 3,345,832, 10–10–67, Cl. 64—23.
Bottonari, Samuel A., to Westinghouse Electric Corp. Arc extinguishing structures for circuit interrupters. 3,307,-004, 2–28–67, Cl. 200—144.
Bottone, Salvatore, Jr., to General Electric Co. Constant frequency fluid-mechanical oscillator. 3,333,596, 8–1–67, Cl. 137—81.5.
Bottorff, Richard D. Adjustable game target mast apparatus. 3,341,197, 9–12–67, Cl. 273—1.5.
Bottum, Edward W., and F. H. Rockwell, to Refrigeration Research Inc. Method of manufacture of a suction accumulator. 3,344,506, 10–3–67, Cl. 29—407.
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Bouchard, Arthur J., D. E. Hawkinson, C. R. Carlson, and J. A. Jannenga, to Rota Forg Corp. Rotary forging machine or the like. 3,359,774, 12–26–67, Cl. 72—339.
Bouchard, Constant L., to Ford Motor Co. Engine intake manifold air driven compressor. 3,299,629, 1–24–67, Cl. 60—30.
Bouchard, George H., A. Tartakoff, and H. H. Homer, to Sylvania Electric Products, Inc. Electric lamp coating comprising agglomerates of silica coated with a pigment. 3,320,460, 5–16–67, Cl. 313—112.
Bouche, Walter J. Bench. 3,300,246, 1–24–67, Cl. 297—232.
Boucher, Gerard. Carpet jointing machine. 3,313,463, 4–11–67, Cl. 227—108.
Boucher, Henry Fils & Cie : *See*—
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Boucher, Paul H., to Henry Boucher Fils & Cie. Automatic plant pot filling machine. 3,337,986, 8–29–67, Cl. 47—1.
Boucher, Raymond, to Aqua-Flote Swimware Ltd. Inflatable life saving belt. 3,302,224, 2–7–67, Cl. 9—316.
Boucher, Wilfred M., to Johnson & Johnson. Surgical drape. 3,335,719, 8–15–67, Cl. 128—132.
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Bouchillon, Charles W., to The Bauer Bros. Co. Centrifugal cleaner. 3,347,372, 10–17–67, Cl. 209—211.
Boucraut, Michel, and I. Toth, to Institut de Recherches de la Siderurgie Francaise. Heat transfer apparatus. 3,299,-947, 1–24–67, Cl. 165—104.
Boucraut, Michel, and I. Toth, to Institut de Recherches de la Siderurgie Francaise. Method and apparatus for roasting ores. 3,300,295, 1–24–67, Cl. 75—1.
Boucraut, Michel, and I. Toth, to Institut de Recherches de la Siderurgie Francaise. Heating device for heating a fluidized bed of pulverulent material. 3,343,584, 9–26–67, Cl. 158—4.
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Boudakian, Max H., to Olin Mathieson Chemical Corp. Process for providing -2-fluoropyridine. 3,296,269, 1-3-67, Cl. 260—290.
Boudakian, Max M., and J. A. Zaslowsky, to Olin Mathieson Chemical Corp. Manufacture of 2-chloropyridine using photolytic light. 3,297,556, 1-10-67, Cl. 204—158.
Boudakian, Max M., and C. W. Kaufman, to Olin Mathieson Chemical Corp. Process for providing 2,4,6-trifluoropyrimidine. 3,314,955, 4-18-67, Cl. 260—251.
Boudakian, Max M., and G. H. Hofmann, to Olin Mathieson Chemical Corp. 2-bromo-2-chloro-1,1-difluorocyclopropane. 3,349,136, 10-24-67, Cl. 260—648.
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Boudreau, Alban M., to Hedstrom-Union Co. Convertible and foldable baby vehicles. 3,330,575, 7-11-67, Cl. 280—36.
Bouet, Bernard, to Ejectoret S.A. Pressure dispensing device for fluid material. 3,335,913, 8-15-67, Cl. 222—95.
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Boughrum, Richard L., and R. F. Wills, to Bell Telephone Laboratories Inc. Single line printout reader for computer sheets. 3,307,762, 3-7-67, Cl. 226—89.
Boughton, John H., to T. T. Boughton & Sons Ltd. Maximum safe load indicators for cranes. 3,344,934, 10-3-67, Cl. 212—55.
Boughton, John H., to T. T. Boughton & Sons Ltd. Maximum safe load indicators for cranes. 3,357,571, 12-12-67, Cl. 212 -39.
Boughton, Olin W., to American Optical Co. Variable interpupillary distance binocular microscope with focus compensation. 3,309,161, 3-14-67, Cl. 350—35.
Boughton, T. T., & Sons Ltd. : *See*—
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Boughton, John H. 3,357,571.
Bougie, Clifford P., to Milprint, Inc. Wrapping material having a wax-type coating with spaced protruding particles. 3,340,089, 9-5-67, Cl. 117—76.
Bougle, Jean, to Compagnie Generale de Radiologie. Plural X-ray tube power supply having pulse means for controlling the conduction of said tubes. 3,333,104, 7-25-67, Cl. 250—94.
Bougle, Jean, to Compagnie Generale de Radiologie. Multiplex optical system with selective image position control. 3,337,685, 8-22-67, Cl. 178—7.88.
Bouillenne-Walrand, Marie A. J., F. C. M. J. d'Ogny, G. Wetroff, and J. E. Khaladju, to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. 2,4,5-trichlorophenol reaction products for the treatment of seeds and plants. 3,317,374, 5-2-67, Cl. 167—38.
Bouillenne-Walrand, Marie A. J., G. Wetroff, and J. E. Khaladji, to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. 2,4,5-trichlorophenol-lower-alkylamine reaction products as skin germicides. 3,342,675, 9-19-67, Cl. 167—58.
Boukidis, Nicholas A., to Dynamic Industrial, Inc. Fertilizing metallurgical slag with nitrogen salts for agglomeration and powdering resistance. 3,303,016. 2-7-67, Cl. 71—62.
Boukidis, Nicholas A., to Dynamic Industrials, Inc. Metallurgical liming slag. 3,328,160, 6-27-67, Cl. 71—62.
Bouladon, Gabriel, and P. Zuppiger, to The Battelle Development Corp. Transport apparatus. 3,352,250, 11-14-67, Cl. 104—25.
Boulais, Jean E. P., L. G. Desrochers, W. G. Richardson, and R. A. Tanguay, to Canadian Industries Ltd. Hot bearing alarm apparatus. 3,310,983, 3-28-67, Cl. 73—358.
Boulanger, Daniel, to Societe Pratic-Buro. Adjustable holder for filing cards and the like. 3,309,158, 3-14-67, Cl. 312—205.
Bould, Fred : *See*—
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Boulet, Georges , to Société à responsibilité limitée : Recherches Etudes Production R.E.P. Hydraulic pumps and motors with multiple cylinders of the barrel or swash-plate type. 3,332,356, 7-25-67, Cl. 103—162.
Bouley, Jean. Pushing and driving attachment for tractor. 3,336,041, 8-15-67, Cl. 280—43.23.
Boulger, Edward W. : *See*—
Rooney, John F., and Boulger. 3,346,531.
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Bouman, Geert H., to Honeywell Inc. Electrical apparatus. 3,299,257, 1-17-67, Cl. 235—151.34.
Bouman, Geert H., to Honeywell Inc. Logarithmic digital process controller. 3,310,663, 3-21-67, Cl. 235—151.1.
Bounden, John E., to United Kingdom Atomic Energy Authority. Neutron generator tube having a sealed-in gas replenisher. 3,344,299, 9-26-67, Cl. 313—61.
Bounds, Billy E., and L. F. Matthies, to Thiokol Chemical Corp. Incendiary device. 3,296,967, 1-10-67, Cl. 102—6.
Bounds, William E. Camera. 3,296,949, 1-10-67, Cl. 95—11.
Bounsall, Norman F., to Ampex Corp. Digital control system for animation effects with a television signal recorder. 3,342,932, 9-19-67, Cl. 178—6.6.
Bounsall, Norman F', and D. B. MacLeod, to Ampex Corp. System for editing recorded material utilizing high speed passive switching between playback and record modes. 3,331,927, 7-18-67, Cl. 179—100.2.
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Boyd, Clarence. Method and device for exhaust gas purification. 3,306,034, 2–28–67, Cl. 60—30.
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Bradford, Purdy, to Swift & Co. Method and apparatus for separating fat and solids from meat scraps. 3,346,393, 10–10–67, Cl. 99—108.

Bradford, Rex C., M. H. Cook, and H. R. Kelsof, to International Business Machines Corp. Method of making a multitrack magnetic transducer head. 3,353,261, 11–21–67, Cl. 29—603.

Bradford, Robert S., and P. D. Leeke, to Minnesota Mining and Mfg. Co. Motor control circuit with compensation for dropout of control signals. 3,356,921, 12–5–67, Cl. 318—318.

Bradford, William R., to Micronetics Inc. Passive radar target augmentor. 3,334,345, 8–1–67, Cl. 343—18.

Bradford, William R., S. Molnar, and B. H. Siperly, to Abex Corp. Microwave identification of railroad cars. Re. 26,292, 10–31–67, Cl. 343—6.5.

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Peickii, Vasalie L., Christensen, Bradfute, and Bentley. 3,337,232.

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Bradley, Anthony, H. H. Topper, and G. Yeats, to Imperial Chemical Industries Ltd. Apparatus for dip-coating. 3,339,526, 9–5–67, Cl. 118—429.

Bradley, Arthur W., and L. F. Smith, to General Motors Corp. Parking brake mechanism for disk brakes. 3,357,522, 12–12–67, Cl. 188—73.

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Bradley, Elihu F., R. I. Jaffe, D. N. Williams, and E. S. Bartlett, to United Aircraft Corp. High temperature columbium base alloys. 3,296,038, 1–3–67, Cl. 148—11.5.

Bradley, Elihu F., R. I. Jaffee, D. N. Williams, and E. S. Bartlett, to United Aircraft Corp. High temperature strength columbium base alloys. 3,297,438, 1–10–67, Cl. 75—174.

Bradley, Elihu F., E. S. Bartlett, H. R. Ogden, and R. I. Jaffee, to United Aircraft Corp. Hafnium-containing columbium-base alloys. 3,341,370, 9–12–67, Cl. 148—11.5.

Bradley, Henry E. M. Apparatus for transmitting information particularly for use in the operation of a self-service store. 3,326,325, 6–20–67, Cl. 186—1.

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Bradley, Kenneth B., to The Dow Chemical Co. Dihalophenol separation. 3,336,400, 8–15–67, Cl. 260—623.

Bradley, Kenneth B., and L. E. Record, to The Dow Chemical Co. Semi-continuous process for preparing 4,4′-sulfonyldiphenol. 3,297,766, 1–10–67, Cl. 260—607.

Bradley, Mary A. L. Disposable dress shield. 3,345,643, 10–10–67, Cl. 2—53.

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Bradley, Paul E. Dissolving device for multiple projectors. 3,358,558, 12–19–67, Cl. 88—28.

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Bradly, James D., and J. G. Di Pinto, to E. I. du Pont de Nemours and Co. Fluorocarbon-modified polyurethane elastomeric compositions. 3,344,064, 9–26–67, Cl. 252—12.

Bradmiller, Richard W., to Martin-Marietta Corp. Multichannel pulse modulation communication device. 3,329,774, 7–4–67, Cl. 179—15.

Bradmiller, Richard W., and H. P. Bruce, to Martin-Marietta Corp. Sinewave oscillator with automatic frequency control. 3,303,435, 2–7–67, Cl. 331—113.

Bradshaw, Arthur, K. Lee, N. Swales, and P. W. Voyle, to United Shoe Machinery Corp. Mulling process. 3,354,486, 11–28–67, Cl. 12—142.

Bradshaw, Edward W., Jr., to Thiokol Chemical Corp. Temperature controlled igniter. 3,324,656, 6–13–67, Cl. 60—39.82.

Bradshaw, Franklin C., and T. M. Smith, to Gould-National Batteries, Inc. Battery and charging circuit cartridge. 3,320,508, 5–16–67, Cl. 320—2.

Bradshaw, Jerald S., to Chevron Research Co. Lower 9-alkyl substituted tricyclo-decene-9 carboxylic acid dianhydrides. 3,299,102, 1–17–67, Cl. 260—346.3.

Bradshaw, Robert S., to Burroughs Corp. Mask and substrate alignment apparatus. 3,312,190, 4–4–67, Cl. 118—49.1.

Bradshaw, Rowland A. Livestock enclosure. 3,302,616, 2–7–67, Cl. 119—21.

Bradshaw, Stanley E., and J. G. Wilkes, to The General Electric Co. Ltd. Method for forming a tetragonal crystalline oxide coating on germanium. 3,340,163, 9–5–67, Cl. 204—35.

Bradstock, Robert B., and H. A. Olson, to General Electric Co. Power coupling mechanism. 3,322,913, 5–30–67, Cl. 200—61.42.

Bradt, Gordon E., to Bell & Howell Co. Transport system for limp magnetic tapes. 3,334,831, 8–8–67, Cl. 242—55.13.

Bradt, Gordon E., N. R. Kubnick, and G. B. Shields, to Bell & Howell Co. Reversible vacuum hub tape reel. 3,326,491, 6–20–67, Cl. 242—74.

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Brady, Eugene F., to SDF Industries, Inc. Rolling bearings. 3,301,615, 1–31–67, Cl. 308—187.

Brady, Eugene K., and M. M. Gehr, to Collins Radio Co. Bilateral transmit-receive function dual quad diode bridge-oscillator frequency translator circuit. 3,328,694, 6–27–67, Cl. 325—18.

Brady, George A., and H. H. Griffiths, to United States of America, Interior. Method of separating liquid-solid suspensions into individual phase. 3,305,091, 2–21–67, Cl. 210—65.

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Brady, John J.: *See*—
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Brady, Joshua. Continuous shake strip and method of manufacture. 3,333,384, 8–1–67, Cl. 52—557.
Brady, Kenneth J., F. J. Dors, and A. S. Palermo. Heat exchanger. 3,314,245, 4–18–67, Cl. 62—100.
Brady, Lorman G., to Libbey-Owens-Ford Glass Co. Enclosure means in a glass sheet drawing apparatus. 3,326,657, 6–20–67, Cl. 65—198.
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Brady, Paul T., to Bell Telephone Laboratories, Inc. Speech level measuring apparatus. 3,346,694, 10–10–67, Cl. 179—1.
Brady, Paul T., to Bell Telephone Laboratories, Inc. Echo suppressor for communication system having transmission delay. 3,351,720, 11–7–67, Cl. 179—170.2.
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Brady, Richard F., to Brady Air Controls, Inc. Air retaining means for water tanks. 3,301,275, 1–31–67, Cl. 138—31.
Brady, Richard L., and B. R. Gandler, to International Business Machines Corp. Recirculating memory device with gated inputs. 3,311,891, 3–28–67, Cl. 340—172.5.
Brady, Robert M., C. W. Hawkey, and J. E. Kirby, to Westinghouse Electric Corp. Apparatus for fabricating filament support loops. 3,342,224, 9–19–67, Cl. 140—71.5.
Brady, Sam A., to Dow Corning Corp. Method for hydrolyzing alkoxysilanes. 3,304,318, 2–14–67, Cl. 260—448.2.
Brady, Sam A., to Dow Corning Corp. Solventless resin preparation of silicone-epoxy resins. 3,317,443, 5–2–67, Cl. 260—18.
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Braeutigam, Jean L., and K. C. Hurley, to United States of America, Air Force. Electrical connection devices for electroluminescent panels. 3,329,851, 7–4–67, Cl. 313—108.
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Hauptschein, Murray, and Braid. 3,360,568.
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Braikevitch, Michael, and E. T. Metcalf, to The English Electric Co. Ltd. Turbogenerators including a magnetic coupling between the dynamo rotor and the turbine runner. 3,353,-028, 11–14–67, Cl. 290—52.
Braillon, Philibert M. Electromagnetic plates and chucks. 3,340,442, 9–5–67, Cl. 317—123.
Brailsford, Harrison D. Eccentric with variable stroke. 3,312,170, 4–4–67, Cl. 103—38.
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Sparrow, Lawrence R., and Braiman. 3,319,133.
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Brainard, Edward C., II. 3,319,465.
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Brakeman, Floyd H., to J. O. Brakeman. Leg exerciser for bed patients. 3,301,553, 1–31–67, Cl. 272—80.
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Brakeman, Floyd H. 3,301,553.
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Bramblett, John J., to Ben Pearson Inc. Rubber mounted cotton stripper means for cotton picker machines. 3,312,-046, 4–4–67, Cl. 56—42.
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Bramsen, Mark, to Amplex Corp. High intensity lighting fixture having ventilation chambers. 3,356,838, 12–5–67, Cl. 240—3.
Bramson, Clive H. Smoker's lighter reflector means. 3,344,266, 9–26–67, Cl. 240—11.
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Branco, Flavio S. C., W. R. Johnson, and A. C. Kirilouckas, to Winston Research Corp. Plural capstan tape transport. 3,335,929, 8–15–67, Cl. 226—108.
Brand, Abraham, and J. B. Groenewegen, to Consolidated Electrodynamics Corp. Capstan. 3,330,461, 7–11–67, Cl. 226—193.
Brand, Charles. Etching press. 3,336,865, 8–22–67, Cl. 101—158.
Brand, Daniel. Hydraulic variable torque transmitter. 3,298,-489, 1–17–67, Cl. 192—58.
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Brand, Heinz, to Dorstener Eisengiesserei Maschinfabric, AG. Brick manufacturing apparatus. 3,350,756, 11–7–67, Cl. 25—2.
Brand, John R., B. J. Plunkett, and J. Beverly, to Warwick Electronics Inc. Key switching for electric organ. 3,310,-622, 3–21–67, Cl. 84—1.13.
Brand, John R., L. Olah, and C. L. Tichenor, to Warwick Electronics Inc. Pushbutton switch. 3,342,967, 9–19–67, Cl. 200—159.
Brand, John R., and S. Cutler, to Warwick Electronics Inc. Chord organ switching circuit for selectively playing either chords or single notes by depressing one key. 3,359,358, 12–19–67, Cl. 84—1.01.
Brand, Lawrence H. Ice cube trays. 3,317,177, 5–2–67, Cl. 249—119.

Brand, Paul M., to Dryster Corp. Combined telephone and control switch for sterilizer lamp. 3,348,006, 10–17–67, Cl. 200—85.

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Brandes, Guenther C. F. Basket container. 3,344,970, 10–3–67, Cl. 229—3.5.

Brandes, Roy H., to General Motors Corp. Gas pressure control means for a hot gas engine. 3,355,881, 12–5–67, Cl. 60—24.

Brandestini, Antonio. Wire tensioning jack having alignment means. 3,333,819, 8–1–67, Cl. 254—29.

Brandhandler, Filip, and S. L. Steiner. Dental articulators used in the production of denture prosthesis. 3,330,039, 7–11–67, Cl. 32—32.

Brandin, Tore, and K. V. Lundvik, to Stal Refrigeration Aktiebolag. Device for suction valves for reciprocating machinery. 3,312,388, 4–4–67, Cl. 230—229.

Brandl, Ernst, A. Schmid, and H. Steiner, to Biochemie Gesellschaft mit beschrankter Haftung. Method of preparing 6-aminopenicillanic acid. 3,337,415, 8–22–67, Cl. 195—36.

Brandl, Willi. Sealing device for containers. 3,313,445, 4–11–67, Cl. 220—46.

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Brandon, Clarence W.; 12½% to O. B. Brandon, 5% to H. B. Jacobson, and 50% to N. A. Hardin, C. H. Newton and H. H. Wright, jointly. Energy wave fracturing of formations. 3,302,720, 2–7–67, Cl. 166—42.

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Brandon, Clarence W. Method and apparatus for forming and/or augmenting an energy wave. 3,339,635, 9–5–67, Cl. 166—40.

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Broling, Keith W. 3,331,334.
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Brandon, Theodore A. Discharge mechanisms for lumber accumulators. 3,314,524, 4–18–67, Cl. 198—34.

Brandow, Charles R.: *See*—
Moyer, Elmo E., and Brandow. 3,344,336.

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Brandriff, Robert C., and C. G. Pickett, to The Singer Co. Control circuit useful with sewing machines. 3,352,267, 11–14–67. Cl. 112—218.

Brandt, Armand, and W. Faust, to Aktiengesellschaft Brown, Boveri & Cie. Device for equalizing alternating currents flowing in different conductors. 3,356,925, 12–5–67, Cl. 321—11.

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Brandt, Edison R., and B. K. Johnson, to Polaroid Corp. Photographic exposure control device. 3,326,105, 6–20–67, Cl. 95—11.5.

Brandt, Edmund D., and D. D. Varner, to Western Electric Co., Inc. Through-connectors for circuit boards and method of applying same. 3,354,260, 11–21–67, Cl. 174—68.5.

Brandt, Gotlieb H., to Harris-Intertype Corp. Sheet handling apparatus. 3,323,794, 6–6–67, Cl. 271—51.

Brandt, Gotlieb H., and C. R. Miller, to Harris-Intertype Corp. Sheet handling apparatus. 3,341,195, 9–12–67, Cl. 271—51.

Brandt, Hans-Walther, B. Schleppinghoff, W. Bayer, F. Bitners, and E. Meier, to Farbenfabriken Bayer Aktiengesellschaft. Process for separating C_5-hydrocarbon mixtures, containing paraffinic, monoolefinic and diolefinic C_5-hydrocarbons by distillation with N-methylpyrrolidone. 3,320,138, 5–16–67, Cl. 203—58.

Brandt, Hans-Walther, and B. Engelhard, to Farbenfabriken Bayer Aktiengesellschaft. Process for working up C_4-hydrocarbon mixture containing n-but-1-ene, 3,322,845, 5–30–67, Cl. 260—677.

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Brandt, Harry, to Chevron Research Co. Method and apparatus for injecting fluids into earth formations. 3,318,381, 5–9–67, Cl. 166—35.

Brandt, Herbert. Rotary regenerative heat exchangers. 3,327,-770. 6–27–67, Cl. 165—9.

Brandt, Herbert, and H. Sandmann. Rotary valve regenerative heat exchanger seal. 3,321,010, 5–23–67, Cl. 165—4.

Brandt, Herbert, and H. Sandmann. Regenerative heat exchangers. 3,323,579, 6–6–67, Cl. 165—4.

Brandt, Herbert, and H. Sandmann. Rotary regenerative heat exchangers. 3,353,588, 11–21–67. Cl. 165—4.

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Brastad, William A., to General Mills, Inc. Bread making process. 3,332,371, 7–25–67, Cl. 107—54.
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Briggs, George R., to Radio Corp. of America. Magnetic shift register. 3,344,415, 9–26–67, Cl. 340—174.
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Brightman, Barrie, P. K. Kavanaugh, and R. Scott, to Stromberg-Carlson Corp. Multiple module time division multiplex communication system utilizing high-low speed conversion. 3,311,706, 3–28–67, Cl. 179—15.
Brightman, Barrie, and U. A. Pommerening, to General Dynamic Corp. Digital phase control system for use in producing a variable direction beam from a fixed transmitting array. 3,324,452, 6–6–67, Cl. 340—5.
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Brightman, John W., and J. Loop, to United Shoe Machinery Corp. Self-locking threaded fastening devices. 3,324,919, 6–13–67, Cl. 151—7.
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Brignac, Edmond P., to Monsanto Co. Nylon filled with carbon black. 3,324,072, 6–6–67, Cl. 260—37.
Brignac, Edmond P., and R. T. Wright, to Monsanto Co. Nylon composition having enhanced dyeability. 3,310,534, 3,21,67, Cl. 260—78.
Brignac, Edmond P., and R. T. Wright, to Monsanto Co. Nylon composition resistant to heat deterioration. 3,359,235, 12–19–67, Cl. 260—45.75.
Brigner, Eugene A., P. C. Wondra, and T. W. Middleton, to United States of America, Navy. Device for arresting moving vehicles. 3,314,285, 4–18–67, Cl. 73—167.
Brignola, Dominic J., to United Shoe Machinery Corp. Expansion fastener with dual threaded engagement means. 3,348,444, 10–24–67, Cl. 85—70.
Briguglio, Emanuel, to General Precision, Inc. Optical path length difference compensated flying spot scanner. 3,328,585, 6–27–67, Cl. 250—217.
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Briley, Bruce E., to Automatic Electric Laboratories, Inc. Variable time-delay circuit employing transistor utilizing minority-carrier-storage effect and modulating AC signal-bias at collector for determining delay duration. 3,317,755, 5–2–67, Cl. 307—88.5.
Briley, Bruce E., to Automatic Electric Laboratories, Inc. Arrangements of one-transistor bistable circuits. 3,348,066, 10–17–67, Cl. 307—88.5.
Briley, Bruce E., to Automatic Electric Laboratories, Inc. Minority carrier storage flip-flop. 3,349,252, 10–24–67, Cl. 307—88.5.
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Brill, Alfred P., Jr. Nursery tag mounting device. 3,337,932, 8–29–67, Cl. 29—21.1.
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Brill, Harry M. Shaft weighted golf club including offset shaft portions. 3,341,203, 9–12–67, Cl. 273—81.3.
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Brillet, Andre L. M., to Societe Pour l'Equipement de La Blanchisserie et de La Feinturerie Francaises. Dry cleaning unit. 3,338,072, 8–29–67, Cl. 68—18.
Brilliant, Herbert. Use of fluorescent dyes in dental diagnostic methods. 3,309,274, 3–14–67, Cl. 167—84.5.

Brimberg, Torsten, to Electrolux Aktiebolaget. Vacuum cleaner. 3,308,608, 3–14–67, Cl. 55—276.
Brimble, Peter F., and J. F. Scheidbach, to S. A. Krieger, Kendix, N. J. Allin, B. Isaacson, A. S. Bradley, and S. Gendler. Variable pitch marine propeller. 3,302,725, 2–7–67, Cl. 170—160.13.
Brimer, Marshall R., and H. C. McCulley, to Eastman Kodak Co. Gasoline inhibitor. 3,322,520, 5–30–67, Cl. 44—74.
Brimer, Marshall R., and W. T. Tucker, to Eastman Kodak Co. Aryl-β-hydroxyethyl ethers as antiozonants. 3,351,609, 11–7–67, Cl. 260—45.9.
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Brindell, Gordon D., and D. W. Marshall, to Continental Oil Co. Preparation of alkyl bromides and dialkyl aluminum cyanides. 3,304,317, 2–14–67, Cl. 260—448.
Brindell, Gordon D., and D. W. Marshall, to Continental Oil Co. Blends of polyethylenes having improved properties. 3,340,328, 9–5–67, Cl. 260—897.
Brindle, Melbourne. Leaf handling device. 3,355,187, 11–28–67, Cl. 280—19.
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Brinker, Keith C., and C. E. Schweitzer, to E. I. du Pont de Nemours and Co. Stabilized polyoxymethylene. 3,321,443, 5–23–67, Cl. 260—67.
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Brinkley, Amiel W., Jr., and J. F. Kilborn, to International Paper Co. Bleaching pulp without direct chlorination by bleaching with chlorine dioxide. 3,345,250, 10–3–67, Cl. 162—78.
Brinkley, Earl, and E. G. Young, to The Kartridg Pak Co. Container filling machine. 3,316,945, 5–2–67, Cl. 141—140.
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Brinkman, David C., and M. M. Robbins, to The Dow Chemical Co. Inhalator device. 3,297,029, 1–10–67, Cl. 128—188.
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Bristol, Benedict, III. Alarm system. 3,304,547, 2–14–67, Cl. 340—261.
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Bristow, Barney, and R. A. McCloud, ½ to Cloud Co., and ½ to Holmes Leasing Corp. Tank cleaning machine employing a piston actuated hydraulic clutch. 3,326,468, 6–20–67, Cl. 239—227.

Britain, J. W., to Mobay Chemical Co. Polyesterurethane fibers. 3,296,212, 1–3–67, Cl. 260—75.

Britain, J. W., to Mobay Chemical Co. Urethane foams prepared from alkylene oxide adducts of arylamines. 3,336,-245, 8–15–67, Cl. 260—2.5.

Britain, J. W., to Mobay Chemical Co. Method of de-molding polyurethane plastics. 3,341,646, 9–12–67, Cl. 264—213.

Britain, J. W., to Mobay Chemical Co. Biuret polyisocyanates. 3,358,010, 12–12–67, Cl. 260—453.

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British Relay Ltd.: *See*—
Russell, Kenneth A. 3,350,502.
British Ropes Ltd.: *See*—
Bender, Harold M. 3,323,205.
Campbell, Robert E., Longbottom, and Shipley. 3,336,784.
Pennycuick, Kenneth. 3,355,228.
British Telecommunications Research Ltd.: *See*—
Clark, Adrian P. 3,307,112.
Croft, Geoffrey F., and Davis. 3,337,862.
Davis, John C. H. 3,309,693.
Green, Norman G., and Hodgson. 3,346,693.
Hughes, William, and Haigh. 3,307,792.
Spencer, Herbert C. 3,313,939.
British Titan Products Co. Ltd.: *See*—
Binnis, Kenneth. 3,345,187.
Callow, Alan E., and Harris. 3,295,921.
Callow, Alan E., Hughes, and Groves. 3,350,171.
Cleaver, Denis, and Herriman. 3,341,283.
Evans, Arthur W., and Arkless. 3,304,265.
Evans, Arthur W., Arkless, and Peacock. 3,329,483.
Harris, Bernard, and Jones. 3,356,455.
Hodgson, John, and Hall. 3,331,560.
Hughes, William. 3,337,300.
Lederer, Gerald. 3,316,204.
Mabbs, Frank E., and Barnard. 3,341,291.
Twist, Walter, and Haigh. 3,315,900.
British Visqueen Ltd.: *See*—
Dickson, Robert W. 3,326,449.
British Welding Research Assn.: *See*—
Roberts, Thomas M. 3,314,583.
Britt, Amos E. B. Row shaper. 3,303,799, 2–14–67, Cl. 111—6.
Britt, Horace J. and J. E., J. T. Neiswinter, and J. L. Wallace, Jr., to Atlantic Research Corp. Pulse distortion measuring device. 3,324,244, 6–6–67, Cl. 178—69.
Britt, Jack, to Rolls-Royce Ltd. Rotor. 3,304,055, 2–14–67, Cl. 253—39.15.
Britt, James E.: *See*—
Britt, Horace J. and J. E., Neiswinter, and Wallace. 3,324,244.
Britt, Kenneth W., to Scott Paper Co. Modified fibrous web and process of manufacture. 3,305,392, 2–21–67, Cl. 117—154.
Britt, Ronald L., to General Electric Co. Range forced venting discharge system. 3,334,621, 8–8–67, Cl. 126—299.
Brittain, Gary M.: *See*—
Hausenfleck, Howard D., Brittain, and Tsivitse. 3,348,-098.
Brittain Industries, Inc.: *See*—
Mills, Allan K., and Frudenfeld. 3,355,943.
Brittain, Raymond E., and W. R. Mayberry, to The M-O Valve Co. Ltd. Triggered arc discharge device having a liquid cathode. 3,317,776, 5–2–67, Cl. 313—170.
Brittain, Robert W.: *See*—
Termont, Charles G., and Brittain. 3,335,884.
Brittan Industries, Inc.: *See*—
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Brittell, Clarence A., to Independent Lock Co. Lock tumbler container. 3,330,404, 7–11–67, Cl. 206—16.
Britten, Harold H., incompetent (by J. B. Stombock, committee) and L. R. Peaslee, to General Electric Co. Current sensing and control circuit. 3,308,370, 3–7–67, Cl. 321—45.
Britton Corp., The: *See*—
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Britton, D. Art: *See*—
Harrison, Harry W. 3,350,900.
Britton, Philip S., and H. P. Fochler, to Continental Oil Co. Apparatus for forming flexible, thin walled plastic tubing. 3,301,734, 1–31–67, Cl. 156—425.
Britton, Ralph H., Jr., to Alfred Electronics. Means and method for stabilizing negative feedback systems. 3,327,245, 6–20–67, Cl. 331—178.
Britton, Richard B.: *See*—
Sampson, William B., Britton, and Kruger. 3,356,976.
Brix Corp., The: *See*—
Arcari, Anthony D. 3,332,187.
Arcari, Anthony D. 3,340,660.
Brixey, John C., Jr.: *See*—
Bergan, Henry P., Brixey, and Tschudi. 3,319,138.
Brixey, John C., Jr., and K. E. Statham, to Texas Instruments Inc. Method for diffusing an impurity from a doped oxide of pyrolytic origin. 3,354,008, 11–21–67, Cl. 148—187.
Brixner, Frederick W., N. A. Stillman, and H. C. Sibley, to General Signal Corp. Central to remote signalling system having roll call interrogation. 3,303,470, 2–7–67, Cl. 340—163.
Brixner, Lothar H., to E. I. du Pont de Nemours and Co. Thermoelectric compositions of $Nb_xTa_{1-x}Si_yGe_{2-y}$. 3,298,-777, 1–17–67, Cl. 23—315.
Brixner, Lothar H., to E. I. du Pont de Nemours and Co. Red luminescent composition product and process. 3,301,-791, 1–31–67, Cl. 252—301.4.
Brixner, Lothar H., to E. I. du Pont de Nemours and Co. Solid solution of $W_{1-x}V_xSe_2$ and thermoelectric element consisting of same. 3,306,857, 2–28–67, Cl. 252—62.3.
Brixner, Lothar H., to E. I. du Pont de Nemours and Co. Luminescent molybdate and tungstate compositions. 3,338,-841, 8–29–67, Cl. 252—301.4.
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Brizon, Jean M. A. Bar-mills used more particularly for the preparation of inks and paints. 3,319,898, 5–16–67, Cl. 241—241.
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Stoljarov, Alexei M., Khorosheva, Matveev, Konstantinova, Brjanov, and Kovrigina. 3,360,298.
Broad, Walter A., to H. J. Elliott, Ltd. Temperature-responsive expansible-fluid switch. 3,315,055, 4–18–67, Cl. 200—141.
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Gutman, Arnold D., and Broadbent. 3,299,099.
Szabo, Karoly, and Broadbent. 3,304,225.
Szabo, Karoly, and Broadbent. 3,351,679.
Broadbent, Kent D., to Hughes Aircraft Co. Magnetic thin film element. 3,321,751, 5–23–67, Cl. 340—174.
Broadbent, Roy H., to Sprague Electric Co. Vented electrolytic capacitor with coated capacitive unit. 3,333,165, 7–25–67, Cl. 317—230.
Broadbridge, Robert E., to Honeywell, Inc. Selective signaling apparatus for information handling device. 3,310,664, 3–21–67, Cl. 235—159.
Broaderick, John W., R. M. Fiorenza, C. A. Kelly, and M. Kozar, to International Business Machines Corp. Electrical component tester with duplexed handler. 3,353,669, 11–21–67, Cl. 209—73.
Broadhead, Samuel L., Jr., to Collins Radio Co. Limiter-compressor circuit. 3,297,882, 1–10–67, Cl. 307—88.5.
Broadhead, Samuel L., Jr., to Collins Radio Co. Plural loop automatic phase control. 3,319,178, 5–9–67, Cl. 331—2.
Broadhead, Samuel L., Jr., to Collins Radio Co. Transmitted signal two tone difference controlled single sideband squelch and avc system. 3,320,535, 5–16–67, Cl. 325—49.
Broadhead, Samuel L., Jr., to Collins Radio Co. Binary divider with multiple feedback lines. 3,346,728, 10–10–67, Cl. 235—164.
Broadhead, Samuel L., Jr., to Collins Radio Co. Digital frequency comparator. 3,354,398, 11–21–67, Cl. 328—133.
Broadhurst, Albert J.: *See*—
Kinnerley, Anthony G., and Broadhurst. 3,331,570.
Broadhurst, David: *See*—
Abson, James W., and Broadhurst. 3,314,765.
Broadhurst, Joseph D., Jr., to Westinghouse Air Brake Co. Extensible handle. 3,338,607, 8–29–67, Cl. 287—58.
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Kalinowski, Lester W. 3,332,816.
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Sahm, Roland R. 3,358,402.
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Lowe, John C. 3,295,688.
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Broberg, Leonard E., to A. O. Smith, Harvestore Products, Inc. Breather system for a sealed storage structure. 3,332,-336, 7–25–67, Cl. 99—235.
Brobst, James D., and J. A. Vanous, to Collins Radio Co. High frequency parametric amplifier of the up-converter type. 3,346,740, 10–10–67, Cl. 307—88.3.
Brocato, Louis J., and A. H. Valentine, to United States of America, Air Force. Pulse amplitude limiter for frequency control circuit of TWT oscillator in frequency agile radar system. 3,333,268, 7–25–67, Cl. 343—17.1.
Broche, Werner, to Veb Carl Zeiss Jena. Photographic cameras having a device for locking its film loading aperture and a device for disengaging the film. 3,319,550, 5–16–67, Cl. 95—31.
Brocher, Eric, and W. Dallenbach. Method of and generator for producing alternating electric power. 3,350,584, 10–31–67, Cl. 310—11.
Brock, Edward I., to Brockstone Chemical Co. Liquid dispensing apparatus. 3,301,486, 1–31–67, Cl. 239—70.
Brock, Elwood M., to Hunterdon Transformer Co. Toroidal variable reactance transformer having two saturable cores. 3,343,074, 9–19–67, Cl. 323—56.
Brock Equipment Co.: *See*—
Schwab, Charles J. 3,355,585.
Brock, Eugene W.: *See*—
Schuler, Robert K., Miller, and Brock. 3,315,122.
Brock, George W., to International Business Machines Corp. Oxide coated magnetic recording medium. 3,353,166, 11–14–67, Cl. 340—174.1.
Brock, James D., to Industrial Boiler Co., Inc. Hot mix storage bin. 3,348,739, 10–24–67, Cl. 222—146.
Brock, James D., to Industrial Boiler Co., Inc. Crop drying apparatus. 3,352,025, 11–14–67, Cl. 34—212.
Brock, James D., to Industrial Boiler Co., Inc. Bin storing a hot asphalt mix. 3,352,354, 11–14–67, Cl. 165—169.
Brock, Norbert: *See*—
Arnold, Herbert, Rebling, Brock, and Lenke. 3,320,247.
Brock, Walter B. Motor actuated bumper. 3,355,208, 11–28–67, Cl. 293—9.
Brock, Winford G., and J. E. Nix, to United States of America, Army. Method and apparatus for casting staple-containing propellant grains. 3,311,678, 3–28–67, Cl. 264—3.
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Brockes, Andreas: *See*—
Weisbeck, Roland, and Brockes. 3,309,226.
Weisbeck, Roland, Brockes, and Nassenstein. 3,351,516.

Brockett, Kenneth A.: *See*—
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Brockett, Peter C., to Laboratory for Electronics, Inc. Counting circuit for traffic detection pulse inputs at random pulse rates temporarily exceeding the average rate. 3,350,547, 10–31–67, Cl. 235—92.
Brockman, Frank G., to North American Philips Co., Inc. Method of manufacturing a magnetic member having a coating of crystalline ferromagnetic material having uniaxial magnetic anisotropy. 3,303,040, 2–7–67, Cl. 117—7.
Brockman, John A., and R. Skinner. Burners for domestic and industrial heating purposes. 3,330,325, 7–11–67, Cl. 158—66.
Brockman, John J., to General Electric Co. Excitation system for a synchronous generator. 3,314,001, 4–11–67, Cl. 322—73.
Brockman, John J., and B. L. Goss, to General Electric Co. Control system for a synchronous motor. 3,350,613, 10–31–67, Cl. 318—176.
Brockmeyer, Bernard J., and M. A. Schweig, to Security Fire Door Co. Safety edge mechanism for doors. 3,330,923, 7–11–67, Cl. 200—61.43.
Brockmuller, Friedrich F. Tube forming machine for multilayer material webs comprising paper or the like substances. 3,296,057, 1–3–67, Cl. 156—548.
Brockmüller, Friedrich F., to Windmöller & Hölscher. Apparatus for valve bags. 3,323,425, 6–6–67, Cl. 93—8.
Brockmüller, Friedrich F., to Windmoller & Holscher. Guillotine for cutting webs. 3,324,752, 6–13–67, Cl. 83—328.
Brockmuller, Friedrich F., and W. Hedrich, to Windmoller & Holscher. Apparatus for shifting bag or sack workpieces during horizontal conveyance from longitudinal to transverse. 3,321,062, 5–23–67, Cl. 198—33.
Brockstone Chemical Co.: *See*—
Brock, Edward I. 3,301,486.
Brockton Contract Packaging Sales Corp.: *See*—
Katzew, Charles J., and Frost. 3,354,603.
Brockway Glass Co.: *See*—
Brubaker, John G. 3,314,714.
Champlin, Carlin S. 3,332,765.
Ellis, Warren L., and Ruck. 3,308,922.
Hazdra, James J., and Lontz. 3,341,399.
Park, Robert H. 3,332,112.
Poole, James P., Snyder, and Ryder. 3,314,772.
Youkers, Harold A., and Lush. 3,357,811.
Brod, Manfred, to Esso Research and Engineering Co. Additives. 3,342,788, 9–19–67, Cl. 260—78.5.
Bro-Dart Industries: *See*—
Brody, Arthur Sroka, and Ozimek. 3,355,344.
Brodell, Robert F., to United Aircraft Corp. Compressor bleed control. 3,327,932, 6–27–67, Cl. 230—114.
Broderick, Edward: *See*—
Berenbaum, Morris B., Broderick, and Christena. 3,317,486.
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Broderick, John P.: *See*—
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Broderick, John P., to Eutectic Welding Alloys Corp. Welding torch. 3,358,734, 12–19–67, Cl. 158—27.4.
Broders, Claude O., and A. E. Shepard, to United Aircraft Corp. Temperature compensated linkage. 3,327,552, 6–27–67, Cl. 74—469.
Broders, Jacques G. E., to Societe d'Etudes et d'Utilisation de Dechets Industriels et Agricoles (Seudia). Apparatus to emulsify a liquid in a gas by means of ultrasonic vibrations. 3,325,150, 6–13–67, Cl. 259—1.
Brodersen, Rolf K., to General Precision Inc. Gyro spring. 3,353,414, 11–21–67, Cl. 74—5.4.
Broderson, Dean E.: *See*—
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Broderson, Dean E. Pole handling vehicle. 3,360,055, 12–26–67, Cl. 173—28.
Brodeur, Charles H., and W. G. Schlinger, to Texaco, Inc. Treatment of hydrocarbons in plural stages to produce lower boiling hydrocarbons. 3,354,075, 11–21–67, Cl. 208—58.
Brodhead, Quita. Interchangeable and nesting commodity carrier. 3,358,616, 12–19–67, Cl. 105—366.
Brodie, Charles F., to Tyne Impex Est. Reciprocating cutter head with foam rubber mounting means. 3,343,259, 9–26–67, Cl. 30—43.92.
Brodie, Earle C. Electronic hum and ripple filter. 3,317,819, 5–2–67, Cl. 323—22.
Brodie, Hugh W., to Hawaiian Development Co. Instrument for measuring solar radiation. 3,340,730, 9–12–67, Cl. 73—170.
Brodie, Mary G., to The Sherwin-Williams Co. Method of curing polyester compositions and coatings containing synergistic combination of photosensitizers and compositions thereof. 3,326,710, 6–20–67, Cl. 117—62.
Brodin, Bengt O. I., to Joh, Mustad AB. Electrical musical instrument. 3,335,629, 8–15–67, Cl. 84—1.
Broding, Robert A., G. C. Summers, and J. O. Ely, deceased; L. V. B. Ely, executrix, to Mobil Oil Corp. Method of and means for measuring travel times through earth formations. Re. 26,297, 11–7–67, Cl. 181—5.
Brodmann, George L., and A. Stewart, to E. I. du Pont de Nemours and Co. Brassiere pad and process. 3,348,549, 10–24–67, Cl. 128—481.
Brodrene Gram A/S: *See*—
Gram, Hans. 3,296,822.
Gram, Hans. 3,312,082.
Brodsky, Jack C.: *See*—
Ballass, John T., Freedman and Brodsky. 3,340,103.
Brodsky, Robert S., to United States of America, Atomic Energy Commission. Self-checking ionization chamber type radiation detector. 3,317,823, 5–2–67, Cl. 324—33.
Brodt, Burton P., to E. I. du Pont de Nemours and Co. Liquid level control device. 3,314,445, 4–18–67, Cl. 137—396.
Brodt, Leonard E.: *See*—
Cooney, Robert J., and Brodt. 3,316,943.
Brody, Arthur. Apparatus for handling book borrowing transactions. 3,309,255, 3–14–67, Cl. 156—386.
Brody, Arthur, R. Sroka, and E. J. Ozimek, to Bro-Dart Industries. Apparatus for handling book-borrowing transactions. 3,355,344, 11–28–67, Cl. 156—355.
Brody, George, to Don Baxter, Inc. Injection site for venocylsis apparatus. 3,332,418, 7–25–67, Cl. 128—214.
Brody, Thomas P., to Westinghouse Electric Corp. Radiation sensitive electron emissive device. 3,321,659, 5–23–67, Cl. 313—94.
Broecker, Herbert A., to Vanant Co., Inc. Carton and means for cushioning and packaging heavy, fragile articles. 3,305,081, 2–21–67, Cl. 206—46.
Broeker, Hermann L., F. Y. Dupont, and A. L. Lynn, to General Electric Co. High voltage grading for dynamoelectric machine. 3,354,331, 11–21–67, Cl. 310—196.
Broersma, Robert J.: *See*—
Burch, Paul F., Broersma, and Reimer. 3,324,914.
Harrington, John A., Broersma, Runnels, and Johnson. 3,295,216.
Broersma, Robert J., and E. M. Reimer, to Wolverine Shoe & Tanning Corp. Method and apparatus for skinning. 3,295,574, 1–3–67, Cl. 146—241.
Broersma, Robert J., and E. M. Reimer, to Wolverine Shoe & Tanning Corp. Skinning machine and method. 3,299,926, 1–24–67, Cl. 146—241.
Broeze, John E., W. J. Laubendorfer, and D. W. Bott, to United Aircraft Corp. Low friction bearing. 3,304,132, 2–14–67, Cl. 308—1.
Broft, Eduard: *See*—
Zeiss, Ikari, Wilm, Flasskamp, Broft, and Lukas. 3,318,070.
Brogan, Thomas R., to Avco Corp. Method of and apparatus for producing high energy electrical impulses. 3,297,890, 1–10–67, Cl. 310—11.
Brogdex Co.: *See*—
Russell, Kenneth F. 3,348,679.
Broglio, Attilio F., to Photon, Inc. Photographic composing apparatus. 3,336,849, 8–22–67, Cl. 95—4.5.
Brogren, Edwin N.: *See*—
Beert, Carl J., and Brogren. 3,335,840.
Broh-Kahn, Robert H., and A. Galat, to Bard Pharmaceuticals, Inc. Therapeutic compositions containing nitrate esters. 3,355,356, 11–28–67, Cl. 167—65.
Brojer, Zbignlew, P. A. Penczek, and J. H. Sas. Method of manufacturing and separating epoxide resins. 3,296,157, 1–3–67, Cl. 260—13.
Brokaw, Adrian P.: *See*—
Georgi, Heinz W., and Brokaw. 3,337,746.
Georgi, Heinz W., and Brokaw. 3,340,501.
Brokaw, George K. Phonetic teaching device. 3,348,320, 10–24–67, Cl. 35—35.
Broken Hill Associated Smelters Proprietary Ltd., The: *See*—
Blanks, Ronald F., and Blaskett. 3,300,300.
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Epstein, Peter F., and Brokke. 3,304,226.
Simone, Raymond A., and Brokke. 3,328,405.
Thompson, Arthur C., Szabo, Brokke, and Menn. 3,313,814.
Brolin, Stephen J., to Bell Telephone Laboratories, Inc. High sensitivity voltage monitor. 3,354,448, 11–21–67, Cl. 340—248.
Brolin, Stephen J., and G. W. Meszaros, to Bell Telephone Laboratories, Inc. High frequency switching regulator. 3,304,489, 2–14–67, Cl. 323—9.
Broling, Keith W., to Brandon Equipment Co. Inc. Tie down system for heavy vehicles. 3,295,464, 1–3–67, Cl. 105—369.
Broling, Keith W. Tie down for wall board and the like. 3,312,182, 4–4–67. Cl. 105—369.
Broling, Keith W., to Brandon Equipment Co., Inc. Universal tie down winch. 3,324,807, 6–13–67, Cl. 105—369.
Broling, Keith W., to Brandon Equipment Co. Stake pocket chain anchor. 3,331,334. 7–18–67, Cl. 105—369.
Broling, Keith W., to Brandon Equipment Co., Inc. Collapsible fifth wheel stand for piggy back trailers. 3,346,223, 10–10–67, Cl. 248—119.
Broling, Keith W., to Brandon Equipment Co. Inc. Automobile bridge plate. 3,351,024, 11–7–67, Cl. 105—458.
Broman, Arthur, and R. Bats, to Glaverbel. Processes and apparatus for the manufacture of sheets of glass by drawing. 3,351,448, 11–7–67, Cl. 65—91.
Bromander, Gayle C., and H. E. Jones, to Honeywell Inc. Constant energy pulse generating apparatus. 3,318,158, 5–9–67, Cl. 73—517.
Brombaugh, John B., to D. H. Baldwin Co. Modulator-demodulator audio amplifier. 3,316,496. 4–25–67, Cl. 330—174.

Brombaugh, John B., to D. H. Baldwin Co. Electronic organ with chiff. 3,333,042, 7–25–67, Cl. 84—1.13.
Bromby, Norman G., G. H. Rayner, and D. B. Wootton, to Imperial Chemical Industries Ltd. Pyridinium salts. 3,349,-094, 10–24–67, Cl. 260—297.
Bromby, Norman G., and D. B. Wootton, to Imperial Chemical Industries Ltd. Vulcanization process for rubber. 3,357,-957, 12–12–67, Cl. 260—79.5.
Bromley, Kenneth W., to General American Transportation Corp. Molded plastic shipping container for live fowl. 3,330,-434, 7–11–67, Cl. 220—4.
Bromstead, Edward J., to Midland Industrial Finishes Co. Coating compositions (a) a vinyl chloride organosol (b) a vinyl chloride copolymer solution (c) an acrylic resin component (d) a butylated urea-formaldehyde and optionally (e) a vinyl chloride-vinylidene chloride solution. 3,305,602, 2–21–67, Cl. 260—853.
Bromstead, Edward J., to Midland Industrial Finishes Co., Inc. Coated metal surfaces. 3,323,943, 6–6–67, Cl. 117—132.
Bronander, Wilhelm B., Jr.: *See*—
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Greulich, Max A. 3,342,304.
Bronaugh, John C.: *See*—
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Bronder, Herbert, to Ingersoll-Rand World Trade Ltd. Apparatus for shunting mine cars or the like. 3,305,047, 2–21–67, Cl. 187—8.41.
Bronder, Herbert, to Ingersoll-Rand World Trade Ltd. Drill mounting. 3,334,849, 8–8–67, Cl. 248—13.
Brondum, Hazel K.: *See*—
Ward, Irving A., and Bletcher. 3,336,935.
Brondyke, Kenneth J., and R. T. Craig, to Aluminum Co. of America. Continuous casting apparatus with means supporting only outer portions of non-uniform ingot. 3,349,837, 10–31–67, Cl. 164—274.
Bronfman, Benjamin. Orienting hopper for button feeding mechanism. 3,337,089, 8–22–67, Cl. 221—160.
Brongersma, Cornelius, and H. C. Stevens, Jr., to Dresser Industries, Inc. Electric motor braking mechanism. 3,335,-304, 8–8–67, Cl. 310—77.
Bronikowski, Raymond J., to McGraw-Edison Co. Outdoor high tension insulator having long creepage path. 3,296,-366, 1–3–67, Cl. 174—209.
Bronikowski, Raymond J., to McGraw-Edison Co. Protective means for encased electrical apparatus. 3,309,477, 3–14–67, Cl. 200—113.
Bronnes, Robert L., R. C. Hughes, and R. C. Sweet, to North American Philips Co., Inc. Metallizing non-metals. 3,339,-267, 9–5–67, Cl. 29—473.1.
Bronson Specialties, Inc.: *See*—
Wood, Morris E. 3,296,731.
Bronstein, Jesse B., and G. L. Griffith, to Trojan Powder Co. Pentaerythritol tetranitrate-trimethylolethane trinitrate explosives. 3,344,005, 9–26–67. Cl. 149—38.
Bronx Locksmiths, Inc.: *See*—
Skrapits, Andrew, and Braun. 3,315,502.
Bronzavia: *See*—
Gartner, Berthold. 3,307,568.
Broodo, Archie, to General Electric Co. Electrical capacitors and electrode material therefor. 3,302,073, 1–31–67, Cl. 317—230.
Brook, David. Method and apparatus for making material having variable length loops. 3,331,219, 7–18–67, Cl. 66—108.
Brook, James E., to The Bendix Corp. Resolver controlled torquing system. 3,346,791, 10–10–67, Cl. 318—24.
Brook, James E., to The Bendix Corp. Test standard device for discrete angle values. 3,355,806, 12–5–67, Cl. 33—1.
Brook, James E., to The Bendix Corp. Velocity corrected resolver encoding system. 3,357,012, 12–5–67, Cl. 340—347.
Brook, James E., and F. A. Hanusek, to The Bendix Corp. Resolver incremental encoder. 3,353,175, 11–14–67, Cl. 340—347.
Brook, John W.: *See*—
Goldstein, Albert, and Brook. 3,310,460.
Lagally, Paul, and Brook. 3,348,997.
Osborg, Hans, Brook, and Goldstein. 3,298,902.
Brooke, Raymond: *See*—
Bonn Theodore H., Brooke, and Goldman. 3,307,556.
Brooker, David W., W. V. Wilkinson, and A. McIntosh, to Shell Oil Co. Process for preparing fluidized bed coating compositions containing polyepoxides and amine curing agents. 3,321,438, 5–23–67, Cl. 260—47.
Brooker, Leslie G. S.: *See*—
Jenkins, Philip W., and Brooker. 3,326,688.
Taber, Robert C., and Brooker. 3,335,010.
Taber, Robert C., and Brooker. 3,352,680.
Brooker, Leslie G. S., and G. H. Keyes, to Eastman Kodak Co. Solubilized cyanine and merocyanine sensitizing dyes. 3,352,857, 11–14–67, Cl. 260—240.6.
Brooker, Peter J., J. Gillon, and G. T. Newbold, to Fisons Pest Control Ltd. 1-(propargyloxyphenyl)-3,3-dimethyl ureas. 3,317,600, 5–2–67, Cl. 260—553.
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Brown, John W., and R. C. Soults. Lime-sulphur mixing machine. 3,337,189, 8-22-67, Cl. 259—4.
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Brown, Marshall M. S., to United Data Control, Inc. Random access address selection apparatus. 3,345,624, 10-3-67, Cl. 340—174.1.
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Browning, Ernest C. Single handle faucet. 3,312,248, 4–4–67, Cl. 137—636.2.
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Broyard, Yvon. Appliances for the removal of dust or purification by wet process or washing of a gaseous stream. 3,343,346, 9–26–67, Cl. 55—413.
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Bruce, Charles R., to Marathon Oil Co. Fluid operated spinner magnetometer for determining the orientation of the principal magnetic axis of a sample material. 3,324,386, 6–6–67, Cl. 324—14.
Bruce, Charles W., to United States of America, Air Force. Apparatus for measuring energy output of a laser. 3,313,154, 4–11–67, Cl. 73—190.
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Bruce, John P., to The Dow Chemical Co. Process for preparing fluid, non-plasticized vinyl chloride polymer compositions and thermoset polymers having reinforcing fibrous material. 3,354,112, 11–21–67, Cl. 260—32.8.
Bruce, Morris W., to Essex Wire Corp. Reed relay terminal construction. 3,359,395, 12–19–67, Cl. 200—166.
Bruce, William F., to American Home Products Corp. Process for preparing bisacetamides. 3,350,446, 10–31–67, Cl. 260—559.
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Bruck, Stephen D., to United States of America, Commerce. Chemically crimping nylon fibers through formation of disulfide bonds therein. 3,331,656, 7–18–67, Cl. 8—115.5.
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Brucken, Byron L., and H. W. Deaton, to General Motors Corp. Washing machine having a transistor controlled magnetic clutch. 3,328,983, 7–4–67, Cl. 68—12.
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Bruckl, Franz X., to Hannes Marker. Heel holder for safety ski bindings. 3,351,355, 11–7–67, Cl. 280—11.35.
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Brueckmann, Helmut, to United States of America, Army. Monopole antenna including electrical switching means for varying the length of the outer coaxial conductor with respect to the center conductor. 3,315,264, 4–18–67, Cl. 343—791.
Brueckmann, Helmut, to United States of America, Army. Variable impedance transmission line. 3,324,426, 6–6–67, Cl. 333—34.
Brueckmann, Helmut, to United States of America, Army. Broadband dual-polarized antenna. 3,358,287, 12–12–67, Cl. 343—786.
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Brueder, Antoine, to Societe Anonyme Andre Citroen. Lever actuated, spot type disc brake. 3,349,872, 10–31–67, Cl. 188—73.
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Bruel, Yvon and A. Machine for cleaning and calibrating vegetables, more particularly asparagus. 3,353,577, 11–21–67, Cl. 146—81.
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Bruglemans, Lucas, to Automatic Electric Laboratories, Inc. Diphase transmission system with noise pulse cancellation. 3,343,091, 9–19–67, Cl. 325—320.
Brugnola, Anthony. Multiple electrode spark gaps with a condenser connected in parallel with one spark gap. 3,324,347, 6–6–67, Cl. 315—59.
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Brumfield, Robert C., to Hercules Powder Co. Pulsed electrical power generation. 3,317,763, 5–2–67, Cl. 310—11.
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Brundage, Robert W., to Emerson Electric Co. Laundry equipment power package. 3,352,176, 11–14–67, Cl. 74—785.

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Brundige, Maurice M., G. K. Hunger, H. F. Kohne, Jr., and F. L. Kurrle, to West Virginia Pulp and Paper Co. Process for producing fibrous filler having high wet end retention. 3,342,921, 9–19–67, Cl. 264—200.
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Brunelle, Henry E., Jr., and S. J. Schwartz, to General Electric Co. Scanning prism utilizing our roof prism components. 3,320,019, 5–16–67, Cl. 350—286.
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Brunig, William D., to Bennett-Ireland Inc. Cooking grill. 3,304,929, 2–21–67, Cl. 126—25.
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Brunton, James C., to British Cellophane Ltd. Process for the manufacture of ultra-violet light absorbing cellulosic films. 3,317,328, 5–2–67, Cl. 106—165.

Brunton, James C., and M. W. Bartlett, to British Cellophane Ltd. Polymerisation of 2,3-dichlorobutadiene. 3,325,564, 6–13–67, Cl. 260—92.3.
Bruscaglioni, Raffaello, to Felotecnica Saimoiraght SpA. Process for eliminating errors of eccentricity and for reducing errors of graduation in topographic instruments. 3,325,901, 6–20–67, Cl. 33—1.
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Brusson, Edgar H., and K. L. Hower, to United Aircraft Corp. Space suit heat exchanger with liquid boiling point control. 3,343,536, 9–26–67, Cl. 128—142.5.
Brust, Bernard, R. I. Fryer, and L. H. Sternbach, to Hoffmann-La Roche, Inc. 2-cycloalkyl-1,3-di(4-pyridyl)-2-propanols. 3,309,375, 3–14–67, Cl. 260—296.
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Bryan, Morris M., Jr., to The Jefferson Mills, Inc. Method for continuous, high-speed processing and cleaning of fibers. 3,320,641, 5–23–67, Cl. 19—156.1.
Bryan, Morris M., Jr., to The Jefferson Mills, Inc. Creel. 3,321,153, 5–23–67, Cl. 242—131.
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Bubniak, William C., to General Motors Corp. Rotary regenerator seal. 3,298,429, 1–17–67, Cl. 165—9.
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Buck, Willard E. Fused quartz motion sensitive transducer. 3,356,963, 12–5–67, Cl. 331—65.
Buck, William B., to Phillips Petroleum Co. Drilling method and apparatus. 3,322,214, 5–30–67, Cl. 175—66.
Buck, Wolfgang, R. Sehring, and K. Zeile, to C. H. Boehringer Sohn. O-alkyl-O-halophenyl-alkyl-thiophosphonates. 3,356,772, 12–5–67, Cl. 260—961.
Buckbee, Mears Co.: *See*—
Brown, Silas A. 3,308,698.
Frantzen, John J. 3,313,223.
Frantzen, John J. 3,325,319.
Frantzen, John J. 3,325,384.
Mears, Norman B. 3,313,225.
Mears, Norman B. 3,329,541.
Mears, Norman B. 3,329,588.
Bucke, Lynn O., and LeR. K. Walsh, to Field Enterprises, Inc. Newspaper accounting mechanism. 3,298,605, 1–17–67, Cl. 235—98.
Buckely, Francis T., L. N. Finch, and I. L. Seldin, to Monsanto Co. Thermally stable inks for printing of polyvinyl butyral. 3,346,526, 10–10–67, Cl. 260—29.1.
Buckeridge, Roger M., to Westinghouse Air Brake Co. Fail-safe continuous ground monitoring circuit. 3,335,324, 8–8–67, Cl. 317—18.
Buckeye Cellulose Corp., The: *See*—
James, Joseph S., Jr. 3,312,686.
Mueller, William A., Maskey, and Ferguson. 3,311,115.
Nelson, Russell. 3,347,855.
Buckhorn Corp.: *See*—
Christensen, Garn G. 3,319,922.
Buckingham, John S., to United States of America, Atomic Energy Commission. Strontium recovery process. 3,333,919, 8–1–67, Cl. 23—66.
Buckingham, Joseph T., and H. D. Morris, to Systron-Donner Corp. Resonant pickoff device. 3,321,753, 5–23–67, Cl. 340—196.
Buckle, Cyril C., and D. W. Heightman, to British Home Entertainment Ltd. Subscription television, radio and like information supply systems. 3,305,836, 2–21–67, Cl. 340—147.
Buckler, Sheldon A.: *See*—
Epstein, Martin. Buckler, Sherr, and Gillham. 3,332,889.
Papp, Grace P., and Buckler. 3,314,993.
Buckles, Eldon R. Trailer with steerable wheeled prop. 3,348,860, 10–24–67, Cl. 280—475.
Buckley, Arthur H.: *See*—
Kekopoulos, Gregory C., and Buckley. 3,360,262.
Buckley, Charles W., and E. Schrempp, to Pitney-Bowes, Inc. Drive system. 3,310,139, 3–21–67, Cl. 192—.02.
Buckley, Clayton G., and D. C. Brown, to The Bendix Corp. Speed responsive apparatus. 3,351,811, 11–7–67, Cl. 317—5.
Buckley, Daniel J.: *See*—
Long, Noel V., and Buckley. 3,340,537.
Buckley, Donald: *See*—
Andrew, Herbert F., and Buckley. 3,351,578.
Buckley, Donald H., and R. L. Johnson, to United States of America, National Aeronautics and Space Administration. Metallic film diffusion for boundary lubrication. 3,317,341, 5–2–67, Cl. 117—65.2.
Buckley, Gordon S., and R. A. Robb, to Courtaulds Ltd. Yarn crimping method and apparatus. 3,340,585, 9–12–67, Cl. 28—1.
Buckley, John J.: *See*—
Simmons, Arthur L., and Buckley. 3,309,929.
Simmons, Arthur L., Roese, and Buckley. 3,312,422.
Buckley, Richard D., and A. J. Palumbo, to Westinghouse Electric Corp. Cast electrical bushing construction having controlled and shielded shrinkage voids. 3,318,995, 5–9–67, Cl. 174—142.
Buckley, Robert A., to Ferro Corp. Vinyl chloride resins containing cyclic phosphites. 3,342,767, 9–19–67, Cl. 260—31.8.
Buckley, Robert A., to Ferro Corp. Mixtures of tin, lead and zinc naphthenates and octoates as catalysts for polyurethane foams. 3,347,804, 10–17–67, Cl. 260—2.5.
Buckley, Robert A., and F. C. Russo, deceased (by N. Russo, representative), to Ferro Corp. Transparent compositions comprising vinyl chloride polymer and unsaturated dicarboxylic acid. 3,347,823, 10–17–67, Cl. 260—45.85.
Bucklisch, Ludwig, and L. Volpert, to Dynamit Nobel Aktiengesellschaft. Pressure control device. 3,307,451, 3–7–67, Cl. 89—1.701.
Bucklow, Geoffrey E., and J. Knowles, to Ernest Scragg & Sons Ltd. Creel for textile machines. 3,304,026, 2–14–67, Cl. 242—131.
Buckman, John D., J. D. Pera, and F. W. Raths, to Buckman Laboratories, Inc. Chloromethyl 1-butanethiolsulfonate. 3,356,706, 12–5–67, Cl. 260—453.
Buckman, Kenneth E.: *See*—
Tuffnell, Derrick P., and Buckman. 3,321,084.
Buckman, Kenneth E., to General Motors Corp. Tube interconnection devices. 3,321,220, 5–23–67, Cl. 285—410.
Buckman Laboratories, Inc.: *See*—
Buckman, John D., Pera, and Raths. 3,356,706.
Buckman, Stanley J., and Pera. 3,306,810.
Buckman, Stanley J., Pera, and Raths. 3,354,033.
Buckman, Stanley J., and J. D. Pera, to Buckman Laboratories, Inc. Compositions containing methylene bisthiocyanate, dispersant and a dimethylamide and processes of inhibiting microbiological deterioration utilizing said composition. 3,306,810, 2–28–67, Cl. 162—161.
Buckman, Stanley J., J. D. Pera, and F. W. Raths, to Buckman Laboratories, Inc. Compositions containing monosubstituted 2-bromoacetophenones and processes of utilizing the same. 3,354,033, 11–21–67, Cl. 162—161.
Buckminster, Lloyd A., and W. A. Washburn, to Textron Inc. Apparatus for blocking lenses. 3,304,586, 2–21–67, Cl. 22—58.
Bucknell, E. H.: *See*—
Ward, Irving A., and Bletcher. 3,336,935.

Bucknell, Ernest H., and I. A. Ward, 10% to estate of R. E. Bletcher, deceased, 5% to F. Robertson, 5% to G. Robertson, 10% to L. Bucknell, 10% to R. H. Bletcher, 10% to Dan G. Liston, 5% to Dan G. Liston, trustee for D. E. Liston, 5% to C. A. Liston, 5% to J. H. Liston, 10% to H. Brondum, 10% to P. Bletcher, 5% to M. Liston, and 10% to E. H. Bucknell. Faucet valve with stationary inlet tube. 3,324,879, 6–13–67, Cl. 137—454.6.
Bucknell, Lenora: *See*—
Bucknell, Ernest H., and Ward. 3,324,879.
Bucknell, Mabel: *See*—
Ward, Irving A., and Bletcher. 3,336,935.
Buckwalter, Milton T., and L. E. Anderson, Sr., to Pittsburgh Des Moines Steel Co. Bending structural shapes. 3,339,392, 9–5–67, Cl. 72—166.
Bucourt, Robert: *See*—
Nomine, Gerard, Bucourt, and Dube. 3,311,616.
Bucourt, Robert, A. Pierdet, and G. Costerousse, to Roussel-UCLAF. Novel 4-chloro-4,9,11-gonatrienes. 3,309,388, 3–14–67, Cl. 260—397.45.
Bucourt, Robert A. Pierdet, and G. Costerousse, to Roussel-UCLAF. 19-nor-$\Delta^{4,9,11}$-pregnatriene-3,20-dione, process and intermediates. 3,313,703, 4–11–67, Cl. 167—74.
Bucourt, Robert, A. Pierdet, J. Tessier, and G. Costerousse, to Roussel-UCLAF. 17- alkyl-19-nor-$\Delta^{4,9,11}$-pregnatriene-3,20-diones, process and intermediates for preparing same and therapeutic compositions thereof. 3,346,454, 10–10–67, Cl. 167—74.
Bucourt, Robert, and A. Pierdet, to Roussel-UCLAF. 1'H-pyrazolo [3',4'; 17,16]-$\Delta^{4,9,11}$-estratriene 3-one and process for preparation thereof. 3,347,853, 10–17–67, Cl. 260—239.5.
Bucourt, Robert, A. Pierdet, G. Costerousse, R. Joly, J. Warnant, and B. Goffinet, to Roussel-UCLAF. Novel process for the preparation of 2-alkylcyclopentane-1,3-diones. 3,349,-130,10–24–67, Cl. 260—586.
Bucy, Harry R. Mold for pressure injected material. 3,357,057, 12–12–67, Cl. 18—42.
Bucy, Harry R. Safety means for hydraulic presses and the like. 3,359,598, 12–26–67, Cl. 18—16.
Bucyrus-Erie Co.: *See*—
Baer, Josef. 3,335,470.
Pezzini, Mario. 3,335,877.
Buczala, George S., W. E. Rosengarten, Jr., and L. L. Copeland; said Copeland assor. to said Buczala and said Rosengarten. Expendable mold with means to release trapped air and prevent escape of sealant. 3,350,050, 10–31–67, Cl. 249—89.
Buczkowski, Dwight E.: *See*—
Steinbrecher, Lester, Dollman, Buczkowski, and Harrison. 3,329,587.
Steinbrecher, Lester, Dollman, Buczkowski, and Harrison. 3,350 284.
Budai, Andrew J., to Jaybee Mfg. Corp. Drawer pull. 3,311,-943, 4–4–67, Cl. 16—125.
Budai, Donald M. Flat cable connector. 3,353,141, 11–14–67, Cl. 339—99.
Budai, Robert E. Electrically simulated football game apparatus. 3,315,962, 4–25–67, Cl. 273—94.
Budd Co., The: *See*—
Angstadt, William D. 3,298,589.
Angstadt, William D. 3,307,766.
Buyze, Edwin K. 3,298,468.
Buyze, Edwin K. 3,338,339.
Cooper, William C. 3,302,768.
Day, John B. 3,298,476.
Dean, Albert G. 3,295,642.
Dean, Albert G. 3,296,766.
Dean, Albert G., and Else. 3,343,830.
Dean, Walter B. and A. G. 3,323,471.
Dyer, Daniel P., Jr. 3,298,223.
Dyer, Daniel P., Jr. 3,354,705.
Eggert, Walter S., Jr. 3,323,608.
Freholm, Omar E. 3,297,117.
Graves, William L. 3,327,893.
Haas, Charles H. 3,298,444.
Haas, Charles H., and Mattia. 3,343,430.
Herring, James M., Jr. 3,324,277.
Kennel, Robert E., and Haug. 3,343,633.
Kerby, Floyd G. 3,317,237.
Kerby, Floyd G., and Kolt. 3,298,733.
Klauer, Leslie H., and McLure. 3,323,620.
Magyar, Peter F. 3,307,251.
Marcinik, Edward J., and Wolf. 3,333,755.
Mealing, Kenneth W. 3,348,699.
Nelson, Harvey J. 3,338,123.
Nelson, Harvey J. 3,349,602.
Newhouser, Richard J. 3,323,808.
Rebsamen, John A. 3,333,449.
Reynolds, Lewis F., Skypala, Heisler, and Kowe. 3,333,-552.
Sites, Edward J. 3,360,427.
Stacy, Robert G., Almond, and Freholm. 3,349,874.
Weglarz, Walter. 3,349,470.
Winnai, Henry F., and Whitsel. 3,354,535.
Witzgall, Herbert J. 3,302,955.
Wolf, Rudolph J., Jr. 3,328,653.
Zimmermann, Herbert P. 3,329,463.
Budd, James M. Decorative cut tree holder. 3,353,773, 11–21–67, Cl. 248—44.
Budd, Richard E.: *See*—
Ferris, Thomas G., Budd, and Easterling. 3,355,372.
Budd, Robert W. Magnetic sweepers. 3,343,675, 9–26–67, Cl. 209—215.
Budd, Wilbert H.: *See*—
Van Benthuysen, John D., and Budd. 3,341,799.
Budd, Wilbert H., and J. D. Van Benthuysen, to CTS Corp. Electrical control. 3,343,116, 9–19–67, Cl. 338—174.
Budd, William E.: *See*—
Albertson, Orris E., and Budd. 3,319,586.
Albertson, Orris E., and Budd. 3,351,030.
Budde, Carl A., to Electronic Specialty Co. Tunnel diode neuristor parity generator. 3,354,431, 11–21–67, Cl. 340—146.1.
Budde, Paul B., and H. Tolkmith, to The Dow Chemical Co. Fungicidal methods and compositions. 3,323,990, 6–6–67, Cl. 167—33.
Budde, Walter M., Jr., to Ashland Oil & Refining Co. Curing epoxy resins with hydroxy amino aliphatic nitriles. 3,356,-647, 12–5–67, Cl. 260—47.
Buddecke, Charles L.: *See*—
Atchley, Blake K., Buddecke, and Tenery. 3,297,989.
Buddemeyer, Bruce D., and J. R. Moneymaker, to The Paniplus Co. Yeast leavened bakery products and shortening compositions. 3,360,375, 12–26–67, Cl. 99—91.
Budden, Robert G., to Roberts-Gordon Appliance, Corp. Gas burning infra-red heating device. 3,310,047, 3–21–67, Cl. 126—92.
Buddrus, Joachim: *See*—
Nerdel, Friedrich, Buddrus, Klaumann, Weyerstahl, and Ulm. 3,359,252.
Budenbender, Henry W., to Western Electric Co., Inc. Core sheating apparatus with adjustable core supports. 3,315,-305, 4–25–67, Cl. 18—13.
Budesinsky, Zdenek: *See*—
Perina, Zdenek, Bydzovsky, and Budesinsky. 3,300,495.
Budincsevits, Andor, to Tavkozlesi Kutato Intezet. Method for the powder metallurgical forming of metal powders by hot casting. 3,351,464, 11–7–67, Cl. 75—212.
Budke, Carl P., to Pittsburgh Plate Gloss Co. Method and apparatus for recovering a naturally occurring brine containing sodium carbonate. 3,353,870, 11–21–67, Cl. 299—5.
Budnick, Edward G., to Plains Chemical Development Co. Manufacture of 4,4'-dichlorodiphenyl sulfone. 3,354,497, 11–28–67, Cl. 260—607.
Budnick, Gunther, deceased, by T. Budnick, legal representative of minor heirs. Method of measuring and/or controlling the relative movement of two moved bodies. 3,352,023, 11–14–67, Cl. 33—179.5.
Budnick, Thea: *See*—
Budnick, Gunther. 3,352,023.
Budnowski, Manfred, to Henkel & Cie. G.m.b.H. Process for the preparation of crystalline trigylcidyl isocyanurate. 3,300,490, 1–24–67, Cl. 260—248.
Budnowski, Manfred, to Henkel & Cie. G.m.b.H. Hardened expoxide resins with high temperature stability of triglycidyl ester of isocyanuric acid and curing agent. 3,337,-509, 8–22–67, Cl. 260—77.5.
Budreck, Frances, to Monarch Tool & Machinery Co. Hinged joint support for a rear vision mirror mounting. 3,322,388, 5–30–67, Cl. 248—289.
Budynas, William D.: *See*—
Crosby, Peter F., Wallis, and Budynas. 3,295,662.
Budzich, Mieczyslaw, and E. C. Hardesty, to Western Electric Co., Inc. Method of and apparatus for sorting coiled articles. 3,300,044, 1–24–67, Cl. 209—81.
Budzich, Tadeusz: *See*—
Bahniuk, Eugene, Budzich, and Thompson. 3,320,745.
Budzich, Tadeusz. Remote adjustment for pressure compensated pump setting. 3,298,316, 1–17–67, Cl. 103—37.
Budzich, Tadeusz. Inflatable bag fluid dispensing device. 3,300,102, 1–24–67, Cl. 222—386.5.
Budzich, Tadeusz. Fluid apparatus. 3,327,642, 6–27–67, Cl. 103—173.
Budzich, Tadeusz. Differential bearing. 3,328,098, 6–27–67, Cl. 308—234.
Budzich, Tadeusz, to The Weatherhead Co. Hydraulic steering system. 3,333,416, 8–1–67, Cl. 60—52.
Budzich, Tadeusz. Hydrostatic mechanism. 3,339,660, 9–5–67, Cl. 180—44.
Budzich, Tadeusz. Speed responsive hydrostatic device. 3,354,978, 11–28–67, Cl. 180—44.
Budzich, Tadeusz, and A. Pitt. Hydrostatic mechanism. 3,360,-064, 12–26–67, Cl. 180—14.
Budzinski, Daniel M. Golf tee leveling and driving instrument. 3,333,848, 8–1–67, Cl. 273—33.
Bue, Richard C., to Sico Inc. Folding stage construction. 3,351,029, 11–7–67, Cl. 108—112.
Bue, Richard C., and J. Gutierrez, to Sico Inc. Portable floor. 3,310,919, 3–28–67, Cl. 52—127.
Buechel, Karl-Heinz, A. Kiskeri Bocz, and F. W. A. G. K. Korte, to Shell Oil Co. Production and use of diazaspiroalkanes. 3,341,517, 9–12–67, Cl. 260—239.
Buechler, Peter R.: *See*—
Kine, Benjamin B., Kalandiak, and Buechler. 3,345,203.
Buechler, William R., to Thompson Industries, Inc. Retractable seat belt construction. 3,323,831, 6–6–67, Cl. 297—388.
Buechler, William R., and R. G. Marshall, to The Ford Motor Co. Turn signal indicator pilot lamp serving an illuminating function. 3,328,757, 6–27–67, Cl. 340—80.
Buechner, Werner W. Heating device. 3,337,714, 8–22–67, Cl. 219—331.
Buechner, Werner W. Photographic timer and method of timing photographic treating processes. 3,349,685, 10–31–67, Cl. 95—89.
Buechner, Werner W. Photographic treating apparatus. 3,349,-686, 10–31–67, Cl. 95—93.

Buechner, Werner W. Temperature controlling photographic bath. 3,349,688, 10–31–67, Cl. 95—96.
Buege, Kurt: *See* —
Jaekel, Werner, and Buege. 3,334,751.
Buehl, Russell C., and R. Schempp, to Crucible Steel Co. of America. Methods and apparatus for producing metal ingots. 3,344,840, 10–3–67, Cl. 164—122.
Buehler Corp., The: *See*—
Cummins, Clessie L., Jr. 3,355,108.
Smith, Morley S. 3,336,752.
Buehler, Fritz A., to Mobil Oil Corp. Stabilization of silicone fluids. 3,309,312, 3–14–67, Cl. 252—18.
Buehler, Fritz A., to Mobil Oil Corp. Stabilization of silicone fluids with an iron compound and a poly-carboxylic acid. 3,350,309, 10–31–67, Cl. 252—37.2.
Buehler, Fritz A., to Mobil Oil Corp. Stabilization of silicone fluids. 3,352,781, 11–14–67, Cl. 252—37.2.
Buehler, Verne T. Paint masking shield. 3,335,703, 8–15–67, Cl. 118—504.
Buehler, William J.: *See*—
Goldstein, David, Buehler, and Wiley. 3,352,650.
Rozner, Alexander G., and Buehler. 3,351,463.
Wang, Frederick E., Syeles, Clark, and Buehler. 3,352,722.
Buehler, Willy, A.G.: *See*—
Bleuer, Hans. 3,358,612.
Buehrle, William B., to Motorola, Inc. Multi-aperture core gate circuits. 3,307,158, 2–28–67, Cl. 340—174.
Bueker, Robert A., to National Research and Chemical Co. Flexible control for a roller transport system. 3,297,223, 1–10–67, Cl. 226—183.
Bueler, Richard C., to Wagner Electric Corp. Protector valve for a trailer brake system. 3,304,131, 2–14–67, Cl. 303—29.
Bueler, Richard C., to Wagner Electric Corp. Combined service and emergency brake system. 3,309,149, 3–14–67, Cl. 303—13.
Bueler, Richard C., to Wagner Electric Corp. Dual self-lapping control valve. 3,328,092, 6–27–67, Cl. 303—52.
Buell, Barry O., and J. P. Lindsey, to Phillips Petroleum Co. Signal translation by lowering apparent frequency. 3,328,-755, 6–27–67, Cl. 340—15.5.
Buell, Bennett G., to American Cyanamid Co. Das triazine brightener. 3,309,363, 3–14–67, Cl. 260—240.
Buell, Bennett G., to American Cyanamid Co. Method for preparing 2-styrylnaphthoxazole compounds. 3,341,529, 9–12–67, Cl. 260—240.
Buell, Bennett G., to American Cyanamid Co. Process for treating and brightening cellulose fibers. 3,356,524, 12–5–67, Cl. 117—33.5.
Buell, Donald F.: *See*—
Joseph Raymond S., and Buell. 3,337,280.
Buell Engineering Co., Inc.: *See*—
Vandenhoeck, Jean-Paul. 3,297,369.
Buell, Harry R., and R. L. Jenkins, to General Motors Corp. Transistorized multiple voltage regulation system. 3,299,-276, 1–17–67, Cl. 307—34.
Buelow, William H., and G. Mihulowicz, to Rex Chainbelt, Inc. Retractable motor vehicle trailer. 3,317,193, 5–2–67, Cl. 259—161.
Buelow, William H., R. H. Fredrichsdorf, and A. W. Forrett, to Rex Chainbelt Inc. Concrete mixer drum. 3,328,006, 6–27–67. Cl. 259—161.
Buenger, Raymond. Logical device. 3,355,821, 12–5–67, Cl. 35—30.
Buerger, George R. Food storage means. 3,306,311, 2–28–67, Cl. 135—5.
Buerger, Herbert, to Del Krome Corp. Wheel trims for vehicle wheels with tires. 3,304,125, 2–14–67, Cl. 301—37.
Buerger, Herbert, to Del Krome Corp. Wheel rings, covers or other trims for wheels. 3,320,002, 5–16–67, Cl. 301—37.
Buerkner, Wolfgang, to Carl Schenck Maschinenfabrik GmbH, and Allwood, Inc. Apparatus for manufacturing felted materials. 3,340,127, 9–5–67, Cl. 156—372.
Buerschinger, Donald R., to Le Tourneau-Westinghouse Co. Fluid operated piston-type actuator. 3,331,287, 7–18–67, Cl. 91—52.
Buescher, Alfred J., and M. Krecic. Detent metering device. 3,336,874, 8–22–67, Cl. 103—41.
Buescher, William E., and D. R. Kerstetter, to Sylvania Electric Products Inc. Cathodes. 3,351,486, 11–7–67, Cl. 117—223.
Bueschner, Werner W. Photographic treating apparatus. 3,349,689, 10–31–67, Cl. 95—96.
Buesing, Arthur C.: *See*—
Brown, John W., Jr., Buesing, and Kaiser. 3,337,138.
Buettner, Hans: *See*—
Magg, Alfred, Haessle, Schreiner, Liebel, Bredschneider, Buettner, Peterson, and Schrodt. 3,340,749.
Buettner, Hugo, to Ampag G.m.b.H. & Co. KG. Apparatus for strapping packages. 3,324,789, 6–13–67, Cl. 100—27.
Buettner, Korad J. K.: *See*—
Charlson, Robert J., and Buettner. 3,315,518.
Buff, Fred, M. French, and W. N. Pollock, to General Foam Corp. Manufacture of expanded cellular products. 3,296,-658, 1–10–67, Cl. 18—4.
Buffa, Anthony J., and S. Schneider, to United States of America, Army. Series multiple spark gap switch with a triggering terminal. 3,353,059, 11–14–67, Cl. 315—36.
Buffalo Brake Beam Co.: *See*—
Goods, Edward G. 3,301,353.
Goods Edward G. 3,307,659.
Pelikan, George A. 3,314,505.
Pelikan, George A. 3,314,509.
Buffalo Brake Beam Co.: *See*—Continued
Pelikan, George A. 3,337,006.
Pelikan, George A. 3,344,893.
Buffalo China, Inc.: *See*—
Bonning, Nelson G. 3,355,840.
Buffalo Molded Plastics, Inc.: *See*—
Bellamy, Reginald A. 3,330,437.
Di Addario, Alexander N. 3,295,714.
Buffery, Victor C., and H. M. Jefferys, to S. Smith & Sons (England) Ltd. Transmission and recording of signals in echo sounding apparatus. 3,315,221, 4–18–67, Cl. 340—3.
Buffet, Jean, to Compagnie du Filage des Metaux et des Joints Curty. Hot working of materials. 3,335,589, 8–15–67, Cl. 72—41.
Buffet, Paul, to l'Electronique Appliquee. Thermal threshold responsive devices. 3,323,459, 6–6–67, Cl. 102—70.2.
Buffington, James F. Static phase converter. 3,349,316, 10–24–67, Cl. 321—52.
Buffington, Marvin A. Oscillometric monitoring system for sphygmomanometers. 3,315,662, 4–25–67, Cl. 182—2.05.
Bufkin, Dale E., and E. R. Russell, to McGraw-Edison Co. Toaster case. 3,334,576, 8–8–67. Cl. 99—385.
Buford, William H., Jr., and A. N. Thomas, Jr., to The Marquardt Corp. Radioisotope rocket. 3,306,045, 2–28–67, Cl. 60—203.
Bugat, Nives: *See*—
Lacroix, Yves, and Bugat. 3,337,532.
Bugel, Thomas E., to Union Carbide Corp. Thermoplastic polyhydroxyether with polychloroprene, and laminates thereof. 3,308,204, 3–7–67, Cl. 260—837.
Bugel, Thomas E., to Union Carbide Corp. Thermoplastic polyhydroxyether with nitrile rubber, and laminates thereof. 3,308,205, 3–7–67, Cl. 260—837.
Bugg, Kenly C. Tobacco pipe. 3,342,187, 9–19–67, Cl. 131—201.
Buggele, Norman J., and W. K. Grassauer, to Western Electric Co., Inc. Apparatus for orienting elongated articles having round and recessed ends respectively. 3,317,015, 5–2–67, Cl. 193—43.
Buggs, Anthony A., N. F. Kember, and R. A. Wells, to National Development Research Corp. Process for the recovery of gold and silver from gold and silver bearing aqueous cyanide liquors and ion exchange resin employed therein. 3,317,313, 5–2–67, Cl. 75—118.
Bugher, Frank E. Electric-arc disintegator head. 3,337,709, 8,22,67, Cl. 219—69.
Bugianesi, Robert L.: *See*—
Shen, Tsung-Ying, Ruyle, and Bugianesi. 3,352,849.
Bugl, Paul, to Hirtenberger Patronen-, Zundhutchen- und Metallwarenfabrik Aktiengesellschaft. Slide valve for suction control in two-stroke engines, particularly minimum-sized two-stroke engines. 3,330,262, 7–11–67, Cl. 123—73.
Bugter, Hans: *See*—
Houtzeel, Alexander, and Bugter. 3,337,090.
Bugyie, Steve F Stabilizer bar for tandem axle arrangement. 3,328,047, 6–27–67, Cl. 280—104.5.
Buhler, Dieter. Storage tank for fluids. 3,327,883, 6–27–67, Cl. 220—5.
Bühler, Gebrüder: *See*—
Dellsperger, Fritz. 3,351,390.
Eggenberger, Ulrich. 3,319,701.
Eggenberger, Ulrich. 3,327,353.
Eggenberger, Ulrich, and Schwertfeger. 3,330,003.
Eppenberger, Paul. 3,321,144.
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Buhler, Warren G., to Oxy-Dry Sprayer Corp. Powder sprayer with flexible blades. 3,341,740, 9–12–67, Cl. 317—2.
Buhler, Warren G., to Oxy-Dry Sprayer Corp. Electrostatic powder sprayer. 3,344,312, 9–26–67, Cl. 317—2.
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Buhrendorf, Frederick G., to Bell Telephone Laboratories, Inc. Electromechanical data transmission. 3,319,241, 5–9–67, Cl. 340—347.
Buhrer, Carl F., and V. J. Fowler, to General Telephone and Electronics Laboratories, Inc. Light beam deflector employing electro-optic crystal. 3,357,771, 12–12–67, Cl. 350—160.
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Bührer, Erwin, T. Bächtold, and K.-H. Hellmund, to E. Bührer. Tilting mechanism for induction furnace. 3,350,-083, 10–31–67, Cl. 266—38.

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Bulbenko, George F., R. H. Gobran, and E. A. Blommers, to Thiokol Chemical Corp. Aziridinyl derivatives of polyfunctional epoxides. 3,329,674, 7–4–67, Cl. 260—239.
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Bullard, Robert L., R. A. Hasbrouck, P. S. Schlemmer, and R. E. Thun, to International Business Machines Corp. Fabrication of cermet film resistors to close tolerances. 3,308,528, 3–14–67, Cl. 29—155.7.
Bullen, Clark V., to Barber-Colman Co. Ramp program control system. 3,301,482, 1–31–67, Cl. 236—46.
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Bullock, Joel B., and C. M. Welch, to United States of America, Agriculture. Process of treating cellulose textiles with polyvinyl chloride polymers, a polysiloxane and zirconium acetate and optionally with flame resistant and rot resistant agents. 3,318,659, 5–9–67, Cl. 8—115.6.
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Bullock, Leslie, to Hawker Siddeley Dynamics Ltd. Control of a gas flow as a function of the position of a standing shock wave in the gas. 3,302,657, 2–7–67, Cl. 137—15.2.
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Bullock, Norman J., to General Motors Corp. Agitator and washing agent dispenser. 3,306,084, 2–28–67, Cl. 68—17.
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Bundschuh, John J., to Eastman Kodak Co. Sprocketless motion picture projector. 3,350,023, 10–31–67, Cl. 242—55.11.
Bundschuh, John J., to Eastman Kodak Co. Shiftable drive coupling. 3,358,799, 12–19–67, Cl. 192—67.
Bundschuh, John J., and K. W. Thomson, to Eastman Kodak Co. Take-up reel for motion picture projector. 3,315,911, 4–25–67, Cl. 242—74.
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Bunish, Steve, W. A. Beasley, and T. H. Ling, to Anaconda Wire and Cable Co. Corrugated plastic covering for electrical cables. 3,346,921, 10–17–67, Cl. 18—14.
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Bunn, Harlin L., and C. L. Whitten, to The Regents of the University of California. Ridged waveguide magic tee. 3,315,183, 4–18–67, Cl. 333—11.
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Bunting, Ernest V., H. Rahman, and D. J. Kiesgen, to Massey-Ferguson Inc. Drawbar hitch attachment. 3,295,611, 1–3–67, Cl. 172—447.
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Buntschuh, Henry C., and J. A. Duvoisin, to United Aircraft Corp. Method for making a readily assembled resolver having multiple pole pairs. 3,332,144, 7–25–67, Cl. 29—592.
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Bunyard, Alan D., G. F. Kendall, and H. Lowenthal, to Colibri Lighters Ltd. 3,353,375, 11–21–67, Cl. 67—7.1.
Bunyea, Edwin D., to Phillips Petroleum Co. Method and apparatus for the uniform extruding of thermoplastic film. 3,341,388, 9–12–67, Cl. 156—244.
Buonaiuto, Robert B. Apparatus for wetting and feeding plastic beads into a mold. 3,351,979, 11–14–67, Cl. 18—5.
Burak, Nathan, to Philadelphia Quartz Co. Process for compounding rubber. 3,324,075, 6–6–67, Cl. 260—41.5.
Burant, Leonard J., K. R. Jones, and D. R. Wolter, to Globe-Union Inc. Cell partition for batteries. 3,306,775, 2–28–67, Cl. 136—90.
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Burbank, John E., to Scovill Mfg. Co. Lock slider for zipper fasteners. 3,320,645, 5–23–67, Cl. 24—205.14.
Burbank, John E., to Scovill Mfg. Co. Zipper fastener stringer. 3,328,857, 7–4–67, Cl. 24—205.13.
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Jordan, Merrill E., Cole, Burbine, and Petterson. 3,342,-554.
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Burch, Homer A., to The Norwich Pharmacal Co. 2-methyl-6-(5-nitro-2-furyl)-3-thio-astriazine-3,5(4H)-dione. 3,335,-140, 8–8–67, Cl. 260—248.
Burch, Homer A., to The Norwich Pharmacal Co. 4-substituted - 1 - alkyl - 6-(5-nitro-2-furyl)-1H-pyrazolo[3,4-]pyrimidines. 3,335,141, 8–8–67, Cl. 260—256.4.
Burch, Homer A., to The Norwich Pharmacal Co. 4-amino-1-alkyl - 6 - (5 - nitro-2-furyl)-1H-pyrazolo[3,4-d]pyrimidines. 3,350,397, 10–31–67, Cl. 260—247.5.
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Burch, Warren E., to Cities Service Oil Co. Continuous solvent extraction of decant, cycle and gas oils. 3,349,028, 10–24–67, Cl. 208—327.
Burch, William J., to United States of America, Navy. Method of forming a machinery support. 3,296,349, 1–3–67, Cl. 264—262.
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Burdorf, Donald L., and J. T. Blakistone, to Kinelogic Corp. Tape transport system using a drive belt contacting tape packs. 3,305,186, 2–21–67, Cl. 242—55.12.
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Burg, Solomon, to United States of America, Navy. Angular alignment error measuring system. 3,326,076, 6–20–67, Cl. 88—14.

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Burgess, Carter L., and G. L. Laserson, to American Machine & Foundry Co. Bowling scoring trainer. 3,357,112, 12–12–67, Cl. 35—9.

Burgess, Douglas P., to Cannon Mills Co. Loom reed shifting cam with locking means. 3,315,705, 4–25–67, Cl. 139—26.

Burgess, Douglas P., and G. A. Williams, to Cannon Mills Co. Fringe motion for shuttleless looms. 3,347,280, 10–17–67, Cl. 139—24.

Burgess, Douglas P., G. A. Williams, and J. D. Harkey, to Cannon Mills Co. Terry loom with fell shifting means. 3,351,096, 11–7–67, Cl. 139—25.

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Burgess, Frank H., G. Mathus, G. F. Lyman, and O. Morningstar, to Data Packaging Corp. Tape reel with identifying ring. 3,328,907, 7–4–67, Cl. 40—309.

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Burgess, Harry L. Constant tension support for submerged conductor pipes. 3,319,981, 5–16–67, Cl. 285—302.

Burgess, James H., to Air Reduction Co., Inc. Process for increasing polymerization activity of vinyl acetate. 3,318,-948, 5–9–67, Cl. 260—499.

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Burgess, Robert H. Rotary fluid motor. 3,312,450, 4–4–67, Cl. 253—96.

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Burgess, Robin H., and V. Griffiths, to Imperial Chemical Industries Ltd. Insulated copper articles contacting isotactic polypropylene containing a thiodialkanoic acid diester and a polynuclear phenolic antioxidant. 3,297,479, 1–10–67, Cl. 117—232.

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Burgess, William H., Jr., and G. L. Calehuff, to The Black Clawson Co. Bunched tube approach to a headbox of a papermaking machine. 3,328,236, 6–27–67, Cl. 162—342.

Burgess, William R., L. D. Walker, and C. D. Riley, to Continental Water Conditioning Corp. Demineralizer service unit with encapsulated light circuit. 3,334,745, 8–8–67, Cl. 210—93.

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Burhorn, Friedrich, H. Wittel, and W. Rummel, to Siemens-Schuckertwerke Aktiengesellschaft. Apparatus and method of operating a magnetohydrodynamic generator. 3,319,091, 5–9–67, Cl. 310—11.

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Burian, Theodor, H. Plitschka, and G. Vogel, to International Standard Electric Corp. Multi-frequency code signalling arrangement. 3,313,887, 4–11–67, Cl. 179—18.

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Burk, Manfred, and A. Kehrberger, to Delmag-Maschinenfabrik Reinhold Dornfeld. Ram or pile driver. 3,359,865, 12–26–67, Cl. 91—358.

Burk, Marvin C., to Phillips Petroleum Co. Electrical measuring apparatus. 3,316,751, 5–2–67, Cl. 73—23.1.

Burkam, John E., and E. W. Glatfelter, to The Boeing Co. Vibration absorbing system. 3,298,443, 1–17–67, Cl. 170—159.

Burkardt, Lohr A., W. G. Finnegan, and R. L. Smith, to United States of America, Navy. Auxiliary igniter and sustainer. 3,332,353, 7–25–67, Cl. 102—70.

Burke, Albert P., to L. Peters. Converting machine for butter patty plate. 3,303,759, 2–14–67, Cl. 93—1.

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Burke, Donald J., to Continental Industries, Inc. Ball valve with improved resilient closing means. 3,343,803, 9–26–67, Cl. 251—176.

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Peters, John K., and McClellan. 3,344,549.
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Burke, Oliver W., Jr. Rubbery polymers containing cross-linked organic polymers. 3,313,748, 4–11–67, Cl. 260—4.
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Burke, Oliver W., Jr., and E. E. Stahly; said Stahly assor. to said Burke. Dienic monomer polymerization using alcohol-peroxide catalyst system. 3,333,015, 7–25–67, Cl. 260—680.
Burke, Oliver W., Jr., and E. E. Stahly; said Stahly assor. to said Burke. Process for polymerization utilizing alkylidene-hydroxyhydroperoxides. 3,333,018, 7–25–67, Cl. 260—683.15.
Burke, Paul J., K. D. Hopper, and E. E. Schwenzfeger, to Bell Telephone Laboratories, Inc. Arrangement for controlling traffic in a switching network. 3,335,229, 8–8–67, Cl. 179—18.
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Holladay, Forrest E. 3,339,681.
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Klehm, William G., Jr. 3,300,725.
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Kondur, Nicholas, Jr. 3,323,745.
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Mack, Ronald H. 3,321,148.
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McAvoy, John A. 3,349,255.
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Mullin, James L. 3,334,896.
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Burroughs, James E., and J. K. Nelson, to Borg-Warner Corp. Method and apparatus for producing clear ice under quiescent conditions. 3,318,105, 5–9–67, Cl. 62—71.
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Burt, Robert V., to The Proctor & Gamble Co. Pouring adapter for liquid containers. 3,300,104, 1–24–67, Cl. 222—482.
Burt, Robert V., to The Procter & Gamble Co. Dispensing package improvement for a roll of continuous sheeting material. 3,338,399, 8–29–67, Cl. 206—58.
Burt, Samuel L., to United States of America, Army. Epoxy resin foaming process. 3,320,187, 5–16–67, Cl. 260—2.5.

Burt, William C., to Clair Mfg. Co., Inc. Convertible roll-belt abrading machine. 3,325,947, 6–20–67, Cl. 51—138.
Burtch, Fred W., and J. F. Muirhead, to Gulf Research & Development Co. Aqueous solutions of devitrifiable glasses, method of using, and products thereof. 3,332,490, 7–25–67, Cl. 166—29.
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Burton, Derek R., to Minister of Aviation in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Apparatus for controlling the temperature of the human body. 3,316,732, 5–2–67, Cl. 62—259.
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Burton, Keith M., to United States of America, Navy. Apparatus for regulating the differential pressure of a hollow submerged body. 3,316,927, 5–2–67, Cl. 137—102.
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Burweger, Lorenz R., to Welles Mfg. Corp. Guide bearing for valve rockers. 3,313,279, 4–11–67, Cl. 123—90.
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Burwell, Lester T. (deceased, late of Maplewood), by H. N. Burwell, J. B. Maldonado, executrices, and G. N. Burwell, and Maplewood Bank and Trust Co., executors. Railway rail-holding device. 3,309,023, 3–14–67, Cl. 238—349.
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Bury, George J., to Illinois Tool Works Inc. Alternate action mechanism. 3,312,805, 4–4–67, Cl. 200—159.
Bury, George J., to Illinois Tool Works Inc. Lighted push button switch assembly. 3,355,566, 11–28–67, Cl. 200—167.
Burzynski, Alfred J., and R. E. Martin, to Owens-Illinois, Inc. Preparation of silica gel. 3,321,276, 5–23–67, Cl. 23—182.
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Bus, Johann A., to Christian Holzapfel KG. Room divider. 3,305,983, 2–28–67, Cl. 52—127.
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Busch, Richard E., to Sperry Rand Corp. Ribbon reverse mechanism. 3,340,989, 9–12–67, Cl. 197—165.
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Buschbeck, Werner, to Telefunken Patentverwertungsgesellschaft m.b.H. Hybrid bridge for applying two mutually isolated sources to a common load, including means to partially shift balancing resistors and load resistances. 3,314,025, 4–11–67, Cl. 333—11.
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Buschbom, Floyd E., to Vandale Corp. Bunk feeder or the like. 3,303,966, 2–14–67, Cl. 222—1.
Buschbom, Floyd E., to Van Dale Corp. Bunk feeder. 3,318,-287, 5–9–67, Cl. 119—56.
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Buschmann, Gerhard E., H.-D. Gotthardt, and H. Koch, to Veb Chemiefsserwerk Schwarza "Wilhelm Pieck." Process for melt-spinning of synthetic linear high polymers. 3,320,343, 5–16–67, Cl. 264—176.
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Bush, Cecil H. Flashlight for ladies' handbag. 3,330,949, 7–11–67, Cl. 240—6.45.
Bush, Charles F., to The Goodyear Tire & Rubber Co. Tire. 3,299,935, 1–24–67, Cl. 152—356.
Bush, Clarence C., to United States of America, Army. Spring type torque indicating lock washer. 3,304,827, 2–21–67, Cl. 85—62.
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Bush, G. Frederick, F. R. Cotton, and J. I. Cruchet, to Ford Motor Co. Method for joining metal sheets. 3,350,536, 10–31–67, Cl. 219—92.
Bush, George B., and L. L. Warnke, to United States of America, Navy. Correlation doppler system. 3,351,943, 11–7–67, Cl. 343—112.
Bush, George W., to Philadelphia Handle Co., Inc. Collapsible self-returning handle with hideaway linkage. 3,297,120, 1–10–67, Cl. 190—58.
Bush, Harold J.: *See*—
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Bush, Harold J., to The Thomas & Betts Co. Inc. Terminal tape. 3,339,719, 9–5–67, Cl. 206—56.
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Bush, Ian E. Multiple rotary evaporator. 3,342,696, 9–19–67, Cl. 202—172.
Bush, John H., to Millipore Tilter Corp. Plate filter. 3,306,-459, 2–28–67, Cl. 210—344.
Bush, Joseph, and A. W. Kimball, Sr., to Westinghouse Electric Corp. Commutating pole assembly for a dynamoelectric machine. 3,333,131, 7–25–67, Cl. 310—194.
Bush, Richard H., and H. C. Jones. Talking match book. 3.295,670, 1–3–67, Cl. 206—29.
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Bush, Robert M., to Hydranautics. Tester for wire rope fitting. 3,342,067, 9–19–67, Cl. 73—158.
Bush, Robert M., to Hydranautics. Locking disconnect coupling. 3,345,710, 10–10–67, Cl. 24—221.
Bush, Roland E. Rotary cultivators. 3,306,371, 2–28–67, Cl. 172—540.
Bush, Roy L. Bag seal utilizing-pressure sensitive tape having weakened transverse zones. 3,322,325, 5–30–67, Cl. 229—62.
Bush, Thomas B., and H. N. Installation for coating paper and like sheets with varnish and the like. 3,356,064, 12–5–67, Cl. 118—66.
Bush, Thomas H., to Clark Equipment Co. Control for a vehicle. 3,332,507, 7–25–67, Cl. 180—6.28.
Bush, Warren V., to Shell Oil Co. Polymerization process. 3,349,148, 10–24–67, Cl. 260—683.15.
Bushcott, Rudolph A., and E. E. Waldmann, to Thomas Industries Inc. Method for making lamp shades. 3,351,689, 11–7–67, Cl. 264—69.
Bushey, Albert H., and G. H. Kissin. Method of anodizing aluminum. 3,328,274, 6–27–67, Cl. 204—58.
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Bushey, Donald H., to United States Envelope Co. Envelope. 3,338,500, 8–29–67, Cl. 229—8.5.
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Callihan, James M., and C. M. Norris, to The General Industries Co. Record containers. 3,338,464, 8–29–67, Cl. 220—60.
Callihan, Robert E., to Automation Industries, Inc. Magnetizing and demagnetizing circuit having a controlled saturable core reactor. 3,300,688, 1–24–67, Cl. 317—123.
Callow, Alan E., and B. Harris, to British Titan Products Co. Ltd. Production of halides. 3,295,921, 1–3–67, Cl. 23—87.
Callow, Alan E., W. Hughes, and J. D. Groves, to British Titan Products Co. Ltd. Vapour phase oxidation. 3,350,171, 10–31–67, Cl. 23—202.
Callow, William C.: *See*—
Hamilton, Herbert F., and Callow. 3,339,437.
Calloway, Richard W.: *See*—
Walker, James H. 3,358,880.
Callum, George H., to United States Rubber Co. Cushion. 3,318,636, 5–9–67, Cl. 297—457.
Callum, George H., to Uniroyal, Inc. Heat formable laminated sheet material. 3,356,560, 12–5–67, Cl. 161—5.
Calmar, Inc.: *See*—
Cooprider, Rex C. 3,319,894.
Cooprider, Rex C. 3,333,549.
Cooprider, Rex C. 3,359,917.
Maude, Edward. 3,358,299.
Maude, Edward. 3,359,063.
Calmec Mfg. Corp.: *See*—
Summers, Stanley E., and Visket. 3,330,440.
Calmon, Calvin, to Pfaudler Permutit Inc. Ion exchange method and composition for the desalination of water. 3,337,451, 8–22–67, Cl. 210—24.
Calmon, Calvin, A. H. Greer, and W. Wood, to Ritter Pfaudler Corp. Oxidation stable halogen containing cation exchange resins. 3,342,755, 9–19–67, Cl. 260—2.2.
Calor Appareils Electro Domestiques: *See*—
Trouilhet, Maurice M. A. 3,325,893.
Trouilhet, Maurice M. A. 3,343,275.
Trouilhet, Maurice M. A. 3,344,541.
Trouilhet, Maurice M. A. 3,360,051.
Caloric Corp.: *See*—
Clark, Robert A. 3,298,361.
Hayama, Motoo. 3,303,869.
Helgeson, Peter L., and Redstreake. 3,332,339.
Myler, George W., and Clark. 3,344,736.
Saponara, Domenick, and Redstreake. 3,360,028.
Silhavy, Frank J., and Debrey. 3,353,583.
Calovolo, Mario, to Fiat Societa per Azioni. Gas turbine. 3,350,062, 10–31–67, Cl. 253—78.
Calow, Th. & Co.: *See*—
Lindemann, Hans. 3,300,970.
Calthorpe, Maurice. Extensible vehicle roof. 3,319,996, 5–16–67, Cl. 296—137.
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Oberle, Theodore L., Calton, Loyd, and White. 3,353,935.
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Frank, Harry E., Jr. 3,314,586.
Frank, Harry E., Jr. 3,332,601.
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Homfeldt, Bransford R. 3,339,386.
Ikert, George H. 3,333,448.
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Somer, Fritz. 3,346,887.
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Overman, Ernest H., Jr., and Calvert. 3,306,558.
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Beausoleil, William F., Calvert, and Padegs. 3,336,582.
Calvert, John F., and R. G. Schultz, to J. F. Calvert. Short-time memory devices in multiple input-multiple output control. 3,317,719, 5–2–67, Cl. 235—151.1.
Calvert, Kenneth O.: *See*—
Rodaway, Bruce K., and Calvert. 3,351,570.
Calvert, Raymond, to The Wayne Kerr Laboratories Ltd. Electrical analogue computing circuits which determines the modulus of the difference of two quantities. 3,351,748, 11–7–67, Cl. 235—193.
Calvert, Willard R. Automobile exhaust gas converter. 3,325,256, 6–13–67, Cl. 23—288.
Calvert, William J., and H. H. Anderson, to Union Carbide Corp. Method and apparatus for securing spouts to film. 3,355,340, 11–28–67, Cl. 156—256.
Calvert, William L.: *See*—
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Calvert, William L., to Union Carbide Corp. Packaging container. 3,333,392, 8–1–67, Cl. 53—29.
Calvert, William L., to Union Carbide Corp. Seal barriers for thermoplastic bags. 3,343,748, 9–26–67, Cl. 229—59.
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Adams, Frederick J. 3,306,124.
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Cambio, Ronald T.: *See*—
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Camboulives, André A. M. L., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Devices for connecting ducts, in particular for attaching the ejection ducts of jet propulsion units. 3,306,542, 2–28–67, Cl. 239—265.35.
Cambria Spring Co.: *See*—
Giovinazzo, Joe L. 3,302,941.

Cambridge, Arnold M. Flameless cooking apparatus and compound. 3,314,413, 4–18–67, Cl. 126—263.
Cambridge Filter Corp.: *See*—
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Cambridge Rubber Co.: *See*—
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Harr, Robert R., and Lloyd. 3,327,387.
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Lyman, Frank, Jr. 3,302,150.
Camco, Inc.: *See*—
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Tausch, Gilbert H. 3,328,733.
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Natta, Giulio, Mazzanti, Valvassori, Sartori, and Cameli. 3,310,537.
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Zweidinger, Carl E. 3,349,668.
Camerini, Anna M. V.: *See*—
Camerini, Girorgio. 3,342,480.
Camerini, Franco: *See*—
Camerini, Girorgio. 3,342,480.
Camerini, Gianni: *See*—
Camerini, Girorgio. 3,342,480.
Camerini, Giorgio, to Natro-Cellulosa, S.p.A. Method and apparatus for forming bag closures. 3,326,094, 6–20–67, Cl. 93—28.
Camerini, Giorgio, deceased, by N. L. V., A. M. V., L. V. B., F., G., and M. Camerini, heirs, to Natro Cellulosa S.p.A. Industria Imballaggi Carta. Alignment mechanism. 3,342,480, 9–19–67, Cl. 271—58.
Camerini, Luisella V. B.: *See*—
Camerini, Girorgio. 3,342,480.
Camerini, Margherita: *See*—
Camerini, Girorgio. 3,342,480.
Camerini, Nasso L. V.: *See*—
Camerini, Girorgio. 3,342,480.
Camerino, Bruno, B. Patelli, and R. Sciaky, to Societá Farmaceutic Italia. 6-formyl pregnadienes. 3,314,945, 4–18–67, Cl. 260—239.55.
Cameron, Alan F. Apparatus for forming an interproximal interlock. 3,344,842, 10–3–67, Cl. 164—236.
Cameron, Alexander. Image projector actuable by golf ball rotation to indicate direction and intensity of golf stroke. 3,359,005, 12–19–67, Cl. 273—185.
Cameron, Bruce M. Athletic shoe having rotatable cleat means. 3,354,561, 11–28–67, Cl. 36—2.5.
Cameron, Frank L., and W. C. Good, to Westinghouse Electric Corp. Method of making a fuse by securing the terminals by magnetic forming. 3,333,336, 8–1–67, Cl. 29—623.
Cameron, Grant M. and A. J. Duke, to Ciba Ltd. Epoxy resin compositions. 3,352,810, 11–14–67, Cl. 260—30.8.
Cameron Iron Works, Inc.: *See*—
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Allen, Herbert. 3,333,457.
Allen, Herbert. 3,346,234.
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Jones, Marvin R. 3,331,437.
Jones, Marvin R. 3,332,493.
Jones, Marvin R., Williams, and Gruller. 3,357,491.
Nelson, Bobby H., Gruller, and Williams. 3,353,595.
Oliver, John P. 3,315,697.
Pennington, John V. 3,354,961.
Williams, Leonard E., and Regan. 3,299,954.
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Cameron and Jones, Inc.: *See*—
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Trumbo, Phillip W., Carpenter, and Hendrickson. 3,360,-240.
Cameron Machine Co.: *See*—
Rockstrom, Leonard. 3,345,009.
Rockstrom, Leonard, and Bush. 3,332,636.
Cameron, Martin. Automatic variable-speed pressure governor. 3,356,192, 12–5–67, Cl. 188—187.
Cameron, Raymond A., to Beloit Corp. Extruder valve. 3,307,217, 3–7–67, Cl. 18—12.
Cameto, Leon R., W. R. Evans, and R. J. Harris, to Mist O2 Gen Equipment Co. Oxygen tent atmosphere conditioning apparatus and method. 3,306,289, 2–28–67, Cl. 128—191.
Caminiti, Anthony D. Spare tire carriers and/or luggage racks. 3,349,977, 10–31–67, Cl. 224—42.1.
Camlet, John V. Tool construction. 3,319,904, 5–16–67, Cl. 242—85.1.
Camloc Fastener Corp.: *See*—
Griffiths, Edward G., Johnson, and Dellith. 3,297,348.
Wheeler, Frank. 3,341,239.
Cammack, William R., and V. C. Olson, to Marigold Foods, Inc. Device for making confections. 3,344,751, 10–3–67, Cl. 107—1.
Cammaert, Willy C., to Solvay & Cie. System for securing corrugated sheeting. 3,332,186, 7–25–67, Cl. 52—302.
Cammell Laird and Co. (Shipbuilders and Engineers) Ltd. Shipbuilding & Engineering Works: *See*—
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Camoletti, Bruna, nee Conti. Wristwatch provided with a flexible band. 3,326,429, 6–20–67, Cl. 224—4.
Camossi, Carlo. Process for manufacturing isolators of shock absorbers based on the principle of damping vibrations and/or shocks by means of multistrand cables. 3,360,225, 12–26–67, Cl. 248—358.
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Camozzi, Serafino: *See*—
Pigna, Daniele P., and A. and S. Camozzi. 3,334,918.
Camp, Alfred L., to I. Terry. Backflow preventing valve. 3,346,001, 10–10–67, Cl. 137—218.
Camp, Alfred L., to T. Irving. Shower head valve. 3,352,320, 11–14–67, Cl. 137—604.
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Camp, Eldridge K., G. Dietz, and N. W. Mitchell, to American Chemical & Refining Co., Inc. Acidic gold cyanide electroplating bath and process. 3,303,112, 2–7–67, Cl. 204—46.
Camp, John D., and H. Aldikacti, to General Motors Corp. Connecting rod construction. 3,338,113, 8–29–67, Cl. 74—579.
Camp, Raymond H., and A. S. Pratt, to Xerox Corp. Sensing device for detecting a sheet on a transport or drum. 3,301,-975, 1–31–67, Cl. 200—61.41.
Camp, Sherman A. Hill climbing elevator. 3,312,307, 4–4–67, Cl. 187—10.
Camp, Vernon D., to The Seeburg Corp. Vending cycle lockout circuit. 3,349,881, 10–31–67, Cl. 194—10.
Camp, Vernon D., and H. R. Payne, to The Seeburg Corp. Reversible motor driven regulator for dispensing mechanism for articles in staggered stacks. 3,295,716, 1–3–67, Cl. 221—9.
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Camp, William W., to Heinemann Electric Co. Circuit breaker case. 3,329,793, 7–4–67, Cl. 200—168.
Camp, William W., to Heinemann Electric Co. Circuit breaker mechanism. 3,329,913, 7–4–67, Cl. 335—38.
Camp, William W., to Heinemann Electric Co. Remote operator for a circuit breaker handle. 3,332,043, 7–18–67, Cl. 335—71.
Camp, William W., and C. Mune, to Heinemann Electric Co. Tie pin with improved fastening means for circuit breaker handles. 3,299,231, 1–17–67, Cl. 200—50.
Camp, William W., and W. L. Pitts, to Heinemann Electric Co. Remote operator for circuit breakers. 3,332,044, 7–18–67, Cl. 335—73.
Campagna, Frank J., L. V. Gregor, and D. P. Seraphim, to International Business Machines Corp. Integrated circuits with active elements isolated by insulating material. 3,354,-360, 11–21–67, Cl. 317—234.
Campagna, Michael, to Marbill Co. Casual type shoe with heel-supporting wedge. 3,300,880, 1–31–67, Cl. 36—2.5.
Campagne, William V. L., to United States Steel Corp. Condensation of phthalic anhydride. 3,326,941, 6–20–67, Cl. 260—346.7.
Campagnuolo, Carl J., to United States of America, Army. Fluid jet momentum comparator. 3,323,532, 6–6–67, Cl. 137—81.5.
Campaiola, Michael, to M. Campaiola, P. Berchan, and M. Lamm, d.b.a./L.B.C. Watch Case & Jewelry Co. Adjustable watch band clasp. 3,339,248, 9–5–67, Cl. 24—71.
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Campanella, Samuel J., to Melpar, Inc. Speech compression system transmitting only coefficients of polynomial representations of phonemas. 3,349,183, 10–24–67, Cl. 179—15.55.
Campanella, Samuel J., and D. C. Coulter, to Melpar, Inc. Formant period tracker. 3,335,225, 8–8–67, Cl. 179—1.
Campanelli, John P.: *See*—
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Anderson, Russell H., and Campanelli. 3,357,583.
Campanile, Dominic: *See*—
Cummings, Henry S., Jr., Campanile, and Wilder. 3,332,-295.

Campanile, Dominic, and H. S. Cummings, Jr., to Lowell Wrench Co. Socket Wrench. 3,299,750, 124–67, Cl. 81—62.

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Bradbury, Frank R., and Campbell. 3,330,833.

Campbell, Andrew J., and R. L. Fischer, to Al-craft Mfg. Co. Worm and wheel gearing and housing therefor. 3,319,482, 5–16–67, Cl. 74—425.

Campbell, Arthur W., to Vego Chemical Corp. Cleaning composition. 3,349,036, 10–24–67, Cl. 252—101.

Campbell, Carlisle C., Jr., J. A. Chandler, and T. M. Grubbs. Discrete local altitude sensing device. 3,303,304, 2–7–67, Cl. 200—61.45.

Campbell Chain Co.: *See*—
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Campbell, Charles R., R. Johnson, and R. R. Spiegelhalter, to Monsanto Co. Process for regenerating ion exchange resins. 3,313,726, 4–11–67, Cl. 210—33.

Campbell, Charles R., M. J. Mathews III, and R. R. Spiegelhalter, to Monsanto Co. Polymeric impurity removal from an aqueous quaternary ammonium salt solution. 3,335,162, 8–8–67, Cl. 260—459.

Campbell, Charles R., and R. Johnson, to Monsanto Co. Recovery of dicarboxylic acid anhydrides from aqueous acid solution. 3,359,283, 12–19–67, Cl. 260—345.9.

Campbell, Clayton E., Jr., to AMP Inc. Plug wire contactor. 3,335,397, 8–8–67, Cl. 339—217.

Campbell, Clyde D.: *See*—
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Cross, James M., Metzger, and Campbell. 3,351,650.

Campbell, Clyde D., J. M. Cross, and S. H. Metzger, Jr., to Mobay Chemical Co. Cycloaliphatic tetraisocyanates. 3,330,-850, 7–11–67, Cl. 260—453.

Campbell, Craig C., J. W. Schick, and J. H. Stockinger, to Mobil Oil Corp. Plywood bonded with a resinous composition comprising a ketone-aldehyde resin and a chemically basic clay. 3,321,358, 5–23–67, Cl. 161—261.

Campbell, David, M. C. Lee, and J. F. Mann, to United States of America, Navy. Beam capture missile guidance system. 3,356,314, 12–5–67, Cl. 244—3.13.

Campbell, David D., to General Motors Corp. Vehicle body ventilation system. 3,330,199, 7–11–67, Cl. 98—2.

Campbell, David J.: *See*—
Davis, Martin A., and Campbell. 3,344,180.

Campbell, Donald H.: *See*—
Vullo, William J., and Campbell. 3,297,495.

Campbell, Donald J. Independently operable switches with second touch release. 3,306,995, 2–28–67, Cl. 200—18.

Campbell, Donald L.: *See*—
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Campbell, Edgar W.: *See*—
Pile, Donald L., Irwin, and Campbell. 3,336,917.

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Woolslayer, Homer J., Jenkins, and Campbell. 3,333,820.
Woolslayer, Homer J., Jenkins, Woolslayer, and Campbell. 3,333,377.

Campbell, Floyd L., and R. W. Wight, to Technical Products Engineering Co. Status display assembly. 3,340,637, 9–12–67, Cl. 40—130.

Campbell, Frank W., and D. A. Lehr, to The Archilithic Co. Package adaptive fiber roving dispenser. 3,305,150, 2–21–67, Cl. 226—97.

Campbell, Frank W., and D. A. Lehr, to The Archilithic Co. Glass reinforced roof system. 3,336,179, 8–15–67, Cl. 161—72.

Campbell, Gary L., to Deere & Co. Locking device for adjustable vehicle seats. 3,347,512, 10–17–67, Cl. 248—429.

Campbell, Gary L., and A. D. Herring, to Deere & Co. Vehicle seat structure. 3,304,044, 2–14–67, Cl. 248—399.

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Campbell, George J., Jr., and J. McCartney, to Campbell Chain Co. Process and apparatus for forming twisted link chain. 3,342,029, 9–19–67, Cl. 59—18.

Campbell, George T. R., and N. V. Laskey, to Algonquin Shipping and Trading Ltd. Design of general cargo and bulk cargo vessel. 3,348,515, 10–24–67, Cl. 114—72.

Campbell, George W., Jr.: *See*—
Cislak, Francis E., McGill, and Campbell. 3,317,550.
Cislak, Francis E., McGill, and Campbell. 3,352,872.
Cislak, Francis E., McGill, and Campbell. 3,352,873.

Campbell, Harold F.: *See*—
Van Leer, Carlos C., Jr., and Campbell. 3,338,485.

Campbell, Harold M.: *See*—
Dotson, Charles R., and Campbell. 3,345,174.

Campbell, Ian, to Imperial Chemical Industries Ltd. Manufacture of organic bases. 3,299,074, 1–17–67, Cl. 260—290.

Campbell, J. Allan; *See*—
Babcock, John C., and Campbell. 3,313,701.
Babcock, John C., and Campbell. 3,341,557.
Babcock, John C., and Campbell. 3,359,287.

Campbell, J. Allan, to The Upjohn Co. 6-difluoromethyl-17-hydroxyprogesterones and 17-acylates thereof. 3,331,863, 7–18–67, Cl. 260—397.4.

Campbell, J. Allan, and J.C. Babcock, to The Upjohn Co. 7*a*,17,17-trimethyl-18-nor-$\Delta^{13(14)}$-steroids of the androstane series. 3,341,411, 9–12–67, Cl. 167—65.

Campbell, J. Allan, and J. E. Pike, to The Upjohn Co. 6-monofluoromethyl-17*a*-hydroxyprogesterones and 17-acylates thereof. 3,341,560, 9–12–67, Cl. 260—397.4.

Campbell, J. Allan, and J. C. Babcock, to The Upjohn Co. 4,7-dimethyl androstene derivatives. 3,357,888, 12–12–67, Cl. 167—65.

Campbell, James K., to Dow Corning Corp. Finish for glass cloth. 3,350,337, 10–31–67, Cl. 260—29.6.

Campbell, James S.: *See*—
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Campbell, James W. Combination mop and bucket. 3,341,876, 9–19–67, Cl. 15—1.

Campbell, Joe A., to Lockheed Aircraft Corp. Flow controlling baffle for submersible centrifugal pumps. 3,299,-820, 1–24–67, Cl. 103—88.

Campbell, John E., to Polaroid Corp. Photographic film unit having a resilient liquid trapping member. 3,320,065, 5–16–67, Cl. 96—76.

Campbell, John G.: *See*—
Webb, James E. 3,353,359.

Campbell, John G. Impedance matching ferrite transformer wherein center conductor of associated coaxial cable forms primary winding. 3,327,253, 6–20–67, Cl. 333—33.

Campbell, John G. Mounting for semiconductor devices. 3,340,-345, 9–5–67, Cl. 174—15.

Campbell, John R., to Monsanto Co. Polyphenyl thioethers. 3,321,529, 5–23–67, Cl. 260—609.

Campbell, John R., and R. E. Hatton, to Monsanto Co. Polyphenyl thioethers. 3,311,665, 3–28–67, Cl. 260—609.

Campbell, John R., and R. E. Hatton, to Monsanto Co. Polyphenyl thioethers. 3,321,403, 5–23–67, Cl. 252—48.2.

Campbell, Nathaniel E.: *See*—
Warner, William D., and Campbell. 3,336,990.

Campbell, Oliver F., and N. E. Pennels, to Sinclair Research, Inc. Heat exchanger. 3,303,828, 2–14–67, Cl. 122—352.

Campbell, Oma H.: *See*—
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Campbell, Paul D. Evaporator for ice machines. 3,327,494, 6–27–67, Cl. 62—352.

Campbell, Paul G., and J. R. Wright, to United States of America, Commerce. Method of oxidizing asphalt flux with oxides of nitrogen. 3,318,797, 5–9–67, Cl. 208—6.

Campbell, R. K., Enterprises, Inc.: *See*—
Campbell, Robert K. 3,311,319.

Campbell, Ramsey G., and L. J. Hov, to Stauffer Chemical Co. Manufacture of diborane and related boron-containing substances. 3,306,704, 2–28–67, Cl. 23—204.

Campbell, Richard H., Jr., to The Seeburg Corp. Automatic rhythm device. 3,358,068, 12–12–67, Cl. 84—1.01.

Campbell, Richard T.: *See*—
Klinck, John L., Van Horn, and Campbell. 3,332,229.

Campbell, Robert B.: *See*—
Fish, Daniel C. E., and Campbell. 3,332,280.

Campbell, Robert D., to Murray Co. of Texas, Inc. Lid control for heavy containers. 3,307,734, 3–7–67, Cl. 220—35.

Campbell, Robert E., K. W. Longbottom, and E. A. Shipley, to British Ropes Ltd. Method of drawing wire rope. 3,336,-784, 8–22–67, Cl. 72—364.

Campbell, Robert H.: *See*—
Anderson, Frank E., Campbell, and Jolly. 3,311,561.
Bozzelli, Andrew J., Belak, and Campbell. 3,300,293.

Campbell, Robert H., to R. L. Kuss & Co., Inc. Molding machine and process. 3,350,747, 11–7–67, Cl. 18—30.

Campbell, Robert H., and S. G. Belak, to Sun Oil Co. Method of reducing caking tendency of urea-paraffin wax fertilizer. 3,301,656, 1–31–67, Cl. 71—28.

Campbell, Robert H., and H. L. Johnson, to Sun Oil Co. Slow release fertilizer comprising urea and petroleum waxes, and method of making. 3,306,728, 2–28–67, Cl. 71—28.

Campbell, Robert H., and W. R. Cherry, to Sun Oil Co. Method of preparing slow release fertilizers containing a urea-paraffin wax adduct. 3,314,778, 4–18–67, Cl. 71—28.

Campbell, Robert H., and W. L. Huntington, to Sun Oil Co. Method of preparing particulate coated with urea-wax adduct. 3,331,677, 7–18–67, Cl. 71—28.

Campbell, Robert K., to R. K. Campbell Enterprises, Inc. Chalk line reel. 3,311,319, 3–28–67, Cl. 242—100.

Campbell, Robert L., and G. P. Deeter, to United Aircraft Products, Inc. Plate and fin heat exchanger. 3,305,010, 2–21–67, Cl. 165—166.

Campbell, Robert L., Jr.: *See*—
Allen, Robert R., and Campbell. 3,313,834.
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Jackson, Robert L., and Campbell. 3,331,134.

Campbell, Robert N., Jr. Stowing apparatus for working cables and the like. 3,300,154, 1–24–67, Cl. 242—54.

Campbell, Robert W., to Chevron Research Co. 3,4,5,6-tetrahydrothiophthalide. 3,335,153, 8–8–67, Cl. 260—332.3.

Campbell, Robert W., to Chevron Research Co. Cyclic sulfide process. 3,345,381, 10–3–67, Cl. 260—329.

Campbell, Robert W., E. M. Sawyer, D. O. Ruff, T. E. Kirk, L. M. Ramey, and W. D. Worrell, to General Motors Corp. Vehicle propulsion and control system. 3,297,926, 1–10–67, Cl. 318—138.

Campbell, Robert W., E. M. Sawyer, D. O. Ruff, T. E. Kirk, L. M. Ramey, and W. D. Worrell, to General Motors Corp. Inductor device. 3,320,565, 5–16–67, Cl. 336—123.

Campbell, Rodney B., and E. W. Strull. Dual seal shutoff valve. 3,356,055, 10–31–67, Cl. 251– 89.5.

Campbell, Ross L., Jr., to The Industrial Nucleonics Corp. 3,352,499, 11–14–67, Cl. 241—21.
Campbell, Roy E., to National Sulphur Co. Method for prilling sulphur. 3,334,159, 8–1–67, Cl. 264—13.
Campbell, Ruffner, and W. L. Hayes, Jr., to International Resistance Co. Lead straightening machine. 3,348,586, 10–24–67, Cl. 140—147.
Campbell, Theodore A. Torque wrench. 3,304,772, 2–21–67, Cl. 73—139.
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Campbell, Virginia K. Electrically heated windshield washing nozzle in time delay circuit. 3,319,891, 5–16–67, Cl. 239—130.
Campbell, Walter G., W V. A. Clark, Jr., and C. B. Converse, to Buzzards Corp. Oceanography probe. 3,339,407, 9–5–67, Cl. 73—170.
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Campbell, William W., E. Leatham, and A. H. Pack, to Harbison-Walker Refractories Co. Material handling. 3,298,840, 1–17–67, Cl. 106—58.
Campbell, William W., and C. E. Rossi, to Harbison-Walker Refractories Co. Heat transfer unit. 3,311,994, 4–4–67, Cl. 34—168.
Campbell, William W., C. E. Rossi, and W. R. Good, to Harbison-Walker Refractories Co. Shaft kiln. 3,355,158, 11–28–67, Cl. 263—29.
Camph, Sven E., to Flymo Societe Anonyme. Lawn mowers. 3,338,038, 8–29–67, Cl. 56—25.4.
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Campo, Julio H., to North American Aviation, Inc. Automatic controller for fluid systems. 3,338,547, 8–29–67, Cl. 251—118.
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Machin, William D., Montgomery, and Parsons. 3,352,635.
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Eastcott, Peter D., and Spibey. 3,325,683.
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Bowering, William D. S., and Graham. 3,311,574.
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Hoey, Gordon R., and Hudson. 3,318,663.
Logan, Hector A., and Knott. 3,306,789.
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Delcellier, Henri A. 3,313,413.
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Mansell, Ivor. 3,306,553.
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Canadian Patents and Development Ltd.: *See*—
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Daw, Donald F. 3,332,282.
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Rigby, George R. 3,299,600.
Rigby, George R. 3,301,690.
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Canadian Stackpole Ltd.: *See*—
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Canalizo Carlos R., to Otis Engineering Corp. Valves. 3,356,-104, 12–5–67, Cl. 137—516.29.
Canalizo, Carlos R., to Otis Engineering Corp. Large well bore drilling apparatus. 3,360,061, 12–26–67, Cl. 175—324.
Canazzi, Henry D. Boat hulls. 3,316,874, 5–2–67, Cl. 114—67.
Cancilla, Vincent W., to E. D. Jones Corp. Method and apparatus for locking a paper pulp refiner. 3,311,309, 3–28–67, Cl. 241—30.
Cancio, Leopoldo V., and R. D. Soutter, to E. I. du Pont de Nemours and Co. Apparatus for forming two component yarns. 3,320,633, 5–23–67. Cl. 18—8.
Cancrinus, Hendrik, to Inpower Works (Proprietary) Ltd. Hydraulic fluid torque transmitter. 3,334,528, 8–8–67, Cl. 74—752.
Cancrinus, Hendrik, and E. H. Friedmann, to Inpower Works (Proprietary) Ltd. Inertia fluid torque transmitter. 3,302,489, 2–7–67, Cl. 74—752.
Cancrinus, Hendrik, and E. H. Friedmann, to Inpower Works (Proprietary) Ltd. Fluid torque transmitter. 3,323,390, 6–6–67, Cl. 74—752.
Cancrinus, Henrik, and P. Van Jason, to Inpower Works (Proprietary) Ltd. Fluid torque transmitter. 3,334,529, 8–8–67, Cl. 74—752.
Candela, Frank. Mounting base for marine antennas. 3,304,-037, 2–14–67, Cl. 248—44.
Candela, Giovan B., to The Formsprag Co. Self-neutralizing manual override clutch. 3,335,832, 8–15–67, Cl. 192—48.
Candelise, Alfred, to General Motors Corp. Ignition timing device. 3,301,242, 1–31–67, Cl. 123—117.
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Candor, Robert R. and J. T. 3,344,447.
Candor, Robert R. and J. T. 3,358,301.
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Candor, Robert R. and J. T. Laundry machine with suction means for washing and drying. 3,330,136, 7–11–67, Cl. 68—18.
Candor, Robert R. and J. T. Material treating machine and method. 3,344,447, 10–3–67, Cl. 8—159.
Candor, Robert R. and J. T., to Whirlpool Corp. Laundry machine and method. 3,358,301, 12–19–67, Cl. 8—159.
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Cann, Arthur S., and O. Senese. Faucet handle remover. 3,334,405, 8–8–67, Cl. 29—257.
Cann, Everett D. ; 40% to W. T. Neiman. Method of treating cellulosic pulping waste liquors with magnesium oxide to form a complex prior to burning thereof. 3,296,064, 1–3–67, Cl. 162—36.
Cann, Gordon L., to Electro-Optical Systems, Inc. Plasma accelerator using Hall currents. 3,309,873, 3–21–67, Cl. 60—203.
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Cannell, Lawrence G., and E. F. Magoon, to Shell Oil Co. Olefin dimerization process. 3,355,510, 11–28–67, Cl. 260—683.15.
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Canney, Robert S., to General Electric Co. Current transformers having multi-turn primary windings. 3,321,725, 5–23–67, Cl. 336—173.
Canning, Walter L., to Alex F. Walker & Associates, Inc. Easily erected and easily dismantled stand. 3,337,171, 8–22–67, Cl. 248—165.
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Cannon, Raymond E., to Beckman Instruments, Inc. Sample conveying chain for liquid scintillation spectrometer. 3,348,658. 10–24–67, Cl. 198—131.
Cannon, Raymond E., to Beckman Instruments, Inc. Conveyor drive and indexing mechanism for liquid scintillation spectrometers. 3,354,740, 11–28–67, Cl. 74—436.
Cannon, Robert B. Header structure for heat transfer apparatus. 3,323,585, 6–6–67, Cl. 165—141.
Cannon, Robert B., to Hoover Ball and Bearing Co. Bottom discharge bin. 3,343,725, 9–26–67, Cl. 222—129.
Cannon, William N., to Eli Lilly and Co. Soluble salts of heterocyclic iodine-containing bactericides. 3,332,991, 7–25–67, Cl. 260—535.
Cannon, William N., G. B. Kline, and M. Dwight, to Eli Lilly and Co. Nitro benzonitrile antimicrobial compositions and process. 3,353,939, 11–21–67, Cl. 44—75.
Canny, Floyd H., to SCM Corp. Escapement mechanism for typewriters. 3,312,322, 4–4–67, Cl. 197—82.
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Cantatore, Giuseppe, to Montecatini Edison S.p.A. Polyolefins containing polyamides obtained by the reaction of N,N′-bis(omega - carboalkoxyalkyl)piperazine with diamines. 3,331,888, 7–18–67, Cl. 260—857.

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Cantella, Michael J., to United States of America, Navy. Pulse discriminator employing delay-lines and threshold-circuit for selecting pulses of certain widths and amplitudes. 3,315,168, 4–18–67, Cl. 328—112.

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Canterino, Peter J., and M. L. Gallaugher, to Phillips Petroleum Co. Cracking of high molecular weight ethylene polymers and resulting products. 3,316,231, 4–25–67, Cl. 260—93.7.

Cantleberry, Donald R., to General Motors Corp. Tilt and telescoping steering wheel. 3,342,080, 9–19–67, Cl. 74—493.

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Cantor, Abraham, O. E. Neracher, and M. W. Winicov, to West Laboratories, Inc. Acidic aqueous iodine concentrates. 3,308,014, 3–7–67, Cl. 167—17.

Cantor, Abraham, and M. W. Winicov, to West Laboratories, Inc. Germicidal nonionic-detergent iodine compositions. 3,355,386, 11–28–67, Cl. 252—106.

Cantor, Abraham, W. Schmidt, and M. W. Winicov, to West Laboratories, Inc. Alkaline germicidal cleaner with color indicator. 3,355,392, 11–28–67, Cl. 252—99.

Cantor, Clarence, to United States of America, National Aeronautics and Space Administration. Amplifier clamping circuit for horizon scanner. 3,348,053, 10–17–67, Cl. 250—206.

Cantor, Harry A., G. J. Giuliano, and J. A. Vona, to Celanese Corp. Emulsions of lactone plasticized polymers. 3,328,329, 6–27–67, Cl. 260—29.6.

Cantor, Paul A., and R. E. Kesting, to United States of America, Interior. Polyvinyl carbonate desalination membrane and a method of producing the same. 3,332,894, 7–25–67, Cl. 260—2.5.

Cantrall, Edward W., and S. Bernstein, to American Cyanamid Co. 4,6-indazole derivatives of estrone and estradiol-17β. 3,306,894, 2–28–67, Cl. 260—239.5.

Cantrall, Edward W., J. P. Joseph, and S. Bernstein, to American Cyanamid Co. Substituted 17β-androst-4-en-3-one and 19-norandrost-4-en-3-one and method of preparing the same. 3,334,013, 8–1–67, Cl. 167—65.

Cantrel, Kenneth E.: *See*—
Reinert, Andrew J., and Cantrel. 3,335,051.
Reinert, Andrew J., and Cantrel. 3,340,142.

Cantrell, James H.: *See*—
Faro, Charles, and Cantrell. 3,330,211.

Cantrell, James H., and C. Faro, to The Flintkote Co. Mixing and spraying apparatus. 3,304,010, 2–14–67, Cl. 239—142.

Cantrell, Ronald S., to The Bauer Bros. Co. Hydro-cyclone separator. 3,358,832, 12–19–67, Cl. 209—211.

Cantrell, Ronald S., to The Bauer Bros., Co. Centrifugal separator. 3,358,833, 12–19–67, Cl. 209—211.

Canuel, George E., to United Aircraft Corp. Aerodynamic-type flameholder. 3,328,958, 7–4–67, Cl. 60—39.72.

Can-Vevor, Inc.: *See*—
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Canzler, Carl: *See*—
Kranz, Berthold. 3,297,453.

Cap, Bruno: *See*—
Stambera, Adolf, and Cap. 3,299,975.

Capaldi, Eugene C., N. D. Field, and L. N. Leum, to The Atlantic Refining Co. Pentamethylstyrene, homopolymer thereof, and its preparation. 3,303,176, 2–7–67, Cl. 260—93.5.

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Cape, Arthur T., to Coast Metals, Inc. Manganese-base brazing alloys. 3,316,086, 4–25–67, Cl. 75—134.

Cape, Arthur T., to Powder Melting Corp. Method of and apparatus for depositing metal powder. 3,352,492, 11–14–67, Cl. 239—85.

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Cape, Arthur T., to Coast Metals, Inc. Cobalt-base alloys. 3,355,287, 11–28–67, Cl. 75—170.

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Cape, Richard A. G., to Dominion Bridge Co., Ltd. Web bender for forming a continuous V-contoured web. 3,352,330, 11–14–67, Cl. 104—105.

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Crave, Wilbur J. 3,357,462.
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Caplan, Benjamin. Ozone generators. 3,309,304, 3–14–67, Cl. 204—313.

Caplan, Jacob P. Conveyor chains. 3,338,378, 8–29–67, Cl. 198—140.

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Capozzi, Anthony J., and R. A. Jones, to International Business Machines Corp. Variable gap filing system. 3,299,411, 1–17–67, Cl. 340—172.5.

Capp, Clifford W., and R. B. Ward, to The Distillers Corp. Ltd. Production of alkenyl benzenes. 3,318,966, 5–9–67, Cl. 260—669.

Capp, Clifford W., E. J. Gasson, P. E. Grindlay, and B. Wood, to The Distillers Co. Ltd. Production of alkenyl benzenes. 3,336,408, 8–15–67, Cl. 260—669.

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Cappel, Klaus L., to The Franklin Institute. Motion simulator. 3,295,224, 1–3–67, Cl. 35—12.

Cappel, Klaus L., to United States of America, Navy. Ballistic recoverable space bio-probe. 3,311,323, 3–28–67, Cl. 244—1.

Cappel, Ralph E., to Lincoln Mfg. Co., Inc. Storage apparatus. 3,339,795, 9–5–67, Cl. 220—93.

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Capps, David B., to Parke, Davis & Co. Heterocyclic amides and methods for their production. 3,311,614, 3–28–67, Cl. 260—239.3.

Capps, John P., to Minnesota Mining and Mfg. Co. Electrographic recording apparatus having a porous carrier web for electroscopic print powder. 3,355,743, 11–28–67, Cl. 346—74.

Capps, Randolph P., to Multi-Zoner, Inc. Heating and cooling temperature control for a plurality of zones. 3,297,250, 1–10–67, Cl. 236—1.

Cappuccio, Vittorio, P. Maltese, and F. Vacanti, to Montecatini Edison S.p.A. Readily dyeable compositions consisting of isotactic polypropylene and from 0.1 to 20% of a member selected from the group consisting of polyamides, polyurethanes, polyesters and polyalkyleneimine reaction products. 3,312,755, 4–4–67, Cl. 260—859.
Cappuccio, Vittorio, and U. Riboni, to Montecatini Edison S.p.A. Dye-receptive polyolefin fiber containing saturated, unsubstituted dicarboxylic acid of acid anhydride. 3,320,-226, 5–16–67, Cl. 260—93.7.
Cappuccio, Vittorio, and L. Canonica, to Montecatini Edison S.p.A. Process for the regeneration of polyethylene terephthalate. 3,350,328, 10–31–67, Cl. 260—2.3.
Cappuzzello, Joseph J. Garment hanging apparatus. 3,310,-179, 3–21–67, Cl. 211—113.
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Capsuto, Leon M., and F. E. Davis, Jr., to Mobil Oil Corp. Maintaining the selectivity of platinum group metal reforming catalyst. 3,330,761, 7–11–67, Cl. 208—139.
Capsuto, Leon M., and F. E. Davis, Jr., to Mobil Oil Corp. Method of stabilizing platinum group metal reforming catalyst. 3,347,782, 10–17–67, Cl. 208—138.
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Capuano, Italo A., to Union Carbide Corp. Organic carbon determination and measurement. 3,322,504, 5–30–67, Cl. 23—230.
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Caraher, James M., to United States of America, Navy. Water-cooled, self-regulating, exhaust nozzle for a submarine thermal power plant. 3,319,423, 5–16–67, Cl. 60—242.
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Carangelo, Salvatore, and J. Fine, to Interchemical Corp. Apparatus for mixing materials in the substantial absence of air. 3,343,817, 9–26–67, Cl. 259—122.
Caravella, Frank S. Can piercing device. 3,305,924, 2–28–67, Cl. 30—16.
Caravetta, Daniel J., and F. G. Lentz, to Western Electric Co., Inc. Apparatus for feeding and orienting plate-like articles having eccentrically located projections. 3,313,-396, 4–11–67, Cl. 198—33.
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Carbajal, Bernard G., III, and B. G. Slay, Jr., to Texas Instruments Inc. Production of thin organic polymer by screened D.C. glow discharge. 3,318,790, 5–9–67, Cl. 204—168.
Carbajal, Bernard G., III, and B. G. Slay, Jr., to Texas Instruments Inc. Apparatus for polymerizing and forming thin continuous films using a glow discharge. 3,344,055, 9–26–67, Cl. 204—312.
Carbary, Richard J., to General Electric Co. Apparatus for adjusting vertically spaced shelves. 3,316,044, 4–25–67, Cl. 312—214.
Carbert, Ralph E., to Tel-E-Lect Products, Inc. Auger head. 3,318,401, 5–9–67, Cl. 175—413.
Carbert, Ralph E., and W. A. Eskridge, to Tel-E-Lect Products, Inc. Control mechanism. 3,338,269, 8–29–67, Cl. 137—636.2.
Carbine, Joseph C. Bottle and jar carrier. 3,339,814, 9–5–67, Cl. 224—45.
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Natta, Giulio, Porri, Stoppa, and Carbonaro. 3,300,467.
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Carbone, Anthony J. Joint for thermoplastic articles. 3,341,-048, 9–12–67, Cl. 220—4.
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Carbonell, Jose, V. Sanahuja, and H. Siegrist, to Sandoz Ltd. (also known as Sandoz A.G.). Hydrazinium dyes, with maleic acid or its salts and dyeing therewith. 3,357,782, 12–12–67, Cl. 8—25.
Carboni, Ralph J. Golf practice game. 3,298,232, 1–17–67, Cl. 73—379.
Carboni, Ralph J. Checker map game. 3,347,550, 10–17–67, Cl. 273—130.
Carboni, Rudolph A., to E. I. du Pont de Nemours and Co. Polymers containing certain benzotriazoles. 3,337,356, 8–22–67, Cl. 106—176.
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Cofran, Louis L. 3,329,488.
Gill, Richard M. 3,313,605.
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Mason, John H., and Stein. 3,329,489.
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Murata, Yorihiro, and Sucharski. 3,305,374.
Murata, Yorihiro, and Sucharski. 3,329,513.
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Cardani, Charles P., and R. L. Peterson, to United Shoe Machinery Corp. Fastener for can tops. 3,343,714, 9–26–67, Cl. 220—54.
Carden, Columbus H. Tablet and capsule dispenser. 3,300,-090, 1–24–67, Cl. 221—281.
Carder, Bruce M., to Edgerton, Germeshausen & Grier, Inc. Seismic survey system. 3,301,345, 1–31–67, Cl. 181—.5.
Carder, Victor H., to American Sugar Co. Elevator control system. 3,341,042, 9–12–67, Cl. 214—512.
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MacDonald, Robert D. 3,357,040.
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DiToro, Michael J. 3,356,947.
Cardiosonics Medical Instruments Corp.: *See*—
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Cardoza, James. Collapsible tube holder. 3,297,288, 1–10–67 Cl. 248—108.
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Cargile, Neil H., Jr. Hydraulic controls for spud. 3,325,923, 6–20–67, Cl. 37—73.
Cargile, Neil H., Jr. Barge jacking apparatus. 3,332,663, 7–25–67, Cl. 254—107.
Cargill, William W., Jr., and R. C. Albert. Means for producing radiant energy. 3,304,460, 2–14–67, Cl. 314—21.

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Cariati, Vittorio, M. Massi Mauri, and A. DiCiò, to Snam S.p.A. Method for purifying aqueous solutions of methylbutinol through removal of its acetone contents. 3,301,771, 1–31–67, Cl. 203—69.
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Carl, Henry J., to Tri-Point Industries Inc. Polytetrafluoroethylene valve assembly. 3,327,994, 6–27–67, Cl. 251—368.
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Carl, Ralph W., to Standard Oil Co. Process for the formation of a fuel cell electrode containing an intimate mixture of platinum and a second metal. 3,354,060, 11–21–67, Cl. 204—35.
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Carl, Wolfgang, D. Glabisch, A. Reichle, and M. Wandel, to Farbenfabriken Bayer Aktiengesellschaft. Agents for preventing the electrostatic charge of shaped articles. 3,316,174, 4–25–67, Cl. 252—8.8.
Carlberg, Carl J. C., to A. M. de Jong Aktiebolaget. Sealing devices. 3,328,917, 7–4–67, Cl. 49—308.
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Carlberg, Lawrence G., and F. Shafizadeh, to Weyerhaeuser Co. Polyethers of levoglucosan. 3,305,542, 2–21–67, Cl. 260—209.
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Carleton, Joseph G., and L. Gropper, to Beckman Instruments, Inc. Fluid cell with jet inlet directed toward window. 3,307,447, 3–7–67, Cl. 88—14.
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Carlier, Leon, to Fives Lille-Cail. Aerial tramways. 3,349,721, 10–31–67, Cl. 104—196.
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Carlsen, Earl W., to Food Industries Research & Engineering. Sizing apparatus. 3,337,049, 8–22–67, Cl. 209—84.
Carlsmith, Lawrence A., to Improved Machinery Inc. Rotary drum filter improvements. 3,327,862, 6–27–67, Cl. 210—392.
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Carlson, Andrew C., deceased (by E. L. Carlson, executrix). Lifting grapple with outside gripper for handling concrete drainage rings. 3,339,966, 9–5–67, Cl. 294—81.
Carlson, Arne, and I. O. Sandberg, to Arenco Aktiebolag. Device in cigar machines for removing tobacco waste. 3,345,894, 10–10–67, Cl. 83—100.
Carlson, Arthur B., to Textron, Inc. Packaging of ballpoint pen writing units. 3,346,100, 10–10–67, Cl. 206—46.
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Carlson, Carl O., to The National Cash Register Co. System for retrieving microimages formed on superpositioned microforms and the like. 3,319,518, 5–16–67, Cl. 88—24.
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Carlson, David J., and G. E. Theriault, to Radio Corp. of America. Electrical circuit employing an insulated gate field effect transistor having output circuit means coupled to the substrate thereof. 3,348,062, 10–17–67, Cl. 307—88.5.
Carlson, David L., to United States of America, Health, Education and Welfare. Respiratory augmentor with electronic monitor and control. 3,357,428, 12–12–67, Cl. 128—145.8.
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Carlson, Raymond H., to Textron Industries, Inc. Self-thread-forming screw with drill point and method of making same. 3,318,182, 5–9–67, Cl. 85—41.
Carlson, Raymond H., to Textron Industries, Inc. Fastener having extruded driving head. 3,352,190, 11–14–67, Cl. 85—9.
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Carlsson, Carl G., to AB Cernelle. Method of obtaining important constituents from pollen. 3,360,437, 12–26–67, Cl. 195—1.
Carlsson, Nils R., and J. Malmros, to North American Philips Co., Inc. Device for transmitting high frequency pulses, preferably adapted for a radar equipment. 3,308,459, 3–7–67, Cl. 343—13.
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Carlston, Robert A., and P. C. Denny, to M. R. Miller. Ultrasonic method of lubricating a complex mechanism. 3,312,306, 4–4–67, Cl. 184—1.
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Carlton, William C. Shuttlecock with blade-like stems. 3,313,543, 4–11–67, Cl. 273—106.
Carlton, William W. Valve. 3,337,180, 8–22–67, Cl. 251—121.
Carlyle, Robert L., to The Dow Chemical Co. Method of preparing ethers of thiobisphenol compounds. 3,350,423, 10–31–67, Cl. 260—348.6.
Carlyle, Robert L., and W. E. Johnson, deceased (by M. S. Johnson, idependent executrix), to The Dow Chemical Co. Composition for the lamination of glass by means of epoxy resinous materials. 3,321,099, 5–23–67, Cl. 220—2.1.
Carlyle, Robert L., and G. E. Saumer, to The Dow Chemical Co. Polyglycidyl ether of a polyhydric compound with a minor amount of a polyepoxide formed by the reaction of diglycidyl ether with a polyhydric phenol. 3,352,809, 11–14–67, Cl. 260—30.4.
Carlyle, William C., to Square D Co. Safety switch having flatwise pivotable blades. 3,308,256, 3–7–67, Cl. 200—114.
Carmack, Tom. Convertible table. 3,300,791, 1–31–67, Cl. 5—3.
Carman, Frank C., and L. Johnson. Stringed musical instruments with piezoelectric transducers. 3,301,936, 1–31–67, Cl. 84—1.16.
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Carmichael, Keith S., to E. I. du Pont de Nemours, and Co. Film perforating apparatus. 3,355,974, 12–5–67, Cl. 83—171.
Carmichael, Laurence A., Jr., and A. F. Reese, to Otto H. York Co., Inc. Apparatus for removing liquid particles in a gas stream. 3,339,351, 9–5–67, Cl. 55—350.
Carmichael, Robert, and G. H. Klun, to Union Carbide Corp. Automatic spray device. 3,305,134, 2–21–67, Cl. 222—70.
Carmichael, Robert, and J. Southworth, Jr., to Union Carbide Corp. Galvanic cell closure. 3,349,543, 10–31–67, Cl. 53—366.
Carmichael, Thomas F., and R. M. Beltramo, to Syncro Corp. Regulated transformer. 3,331,010, 7–11–67, Cl. 321—16.
Carmichael, Thomas F., and R. J. Maier, to Syncro Corp. Ignition system. 3,358,665, 12–19–67, Cl. 123—148.
Carmines, Alfred B. Golfer's training aid including wrist movement indicator means. 3,350,100, 10–31–67, Cl. 273—183.
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Carmody, Robert J. System for heating, testing and destroying filament wound containers. 3,329,799, 7–4–67, Cl. 219—200.
Carmody, Robert J. Honeycomb panel and method of making same. 3,346,442, 10–10–67, Cl. 161—68.
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Carnahan, William M.: *See*—
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Carnation Co.: *See*—
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Carnegie, George E. Positive variable speed transmission unit 3,334,527, 8–8–67, Cl. 74—689.
Carnesecca, Bernice D.: *See*—
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Carnesecca, Egidio C.: *See*—
Carnesecca, Joseph, Jr., and E. C. Carnesecca. 3,315,532.
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Carnesecca, Joseph, Jr., and E. C. Carnesecca. Cylinder extension coupling device. 3,315,532,, 4–25–67, Cl. 74—1.
Carnesecca, Joseph, Jr., and E. C. Carnesecca, deceased, by B. D. Carnesecca, executrix, to New Draulics, Inc. Power operated tool. 3,343,613, 9–26–67, Cl. 173—169.
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Carnevale, Edmund H., and L. C. Lynnworth, to Parametrics, Inc. Ultrasonic measurement apparatus employing a cooled cylindrical transducer. 3,354,699, 11–28–67, Cl. 73—67.5.
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Carney, Adam C., to Bell Telephone Laboratories, Inc. Telephone subscriber's line circuit. 3,322,902, 5–30–67, Cl. 179—84.
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Carney, Richard R., to Union Carbide Corp. Thermal reset liquid level control system for the liquefaction of low boiling gases. 3,300,991, 1–31–67, Cl. 62—9.
Carney, Richard R. Thermal reset liquid level control system for the liquefaction of low boiling gases. 3,301,110, 1–31–67, Cl. 62—9.
Carney, Richard W.: *See*—
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Carney, Richard W. J., H. M. Blatter, and G. De Stevens, to Ciba Corp. Bycyclic diaza compounds. 3,322,759, 5–30–67, Cl. 260—247.5.
Carney, Richard W. J., and W. L. Bencze, to Ciba Corp. 3,4-diphenyl-chromans. 3,340,276, 9–5–67, Cl. 260—345.2.
Carney, Richard W. J., and W. L. Bencze, to Ciba Corp. Phenyl-chromenes. 3,340,277, 9–5–67, Cl. 260—345.2.
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Carnielli, Guido. Hinge and braking device for stationary rowing exercising apparatuses. 3,315,959, 4–25–67, Cl. 272—72.
Carniol, Bohdan, and Z. Malý, to Tesla, narodni podnik. Circuit arrangement for accurate measurement of temperatures or small temperature changes. 3,345,874, 10–10–67, Cl. 73—362.
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Caron, Conradin. Multi-pick structure. 3,304,826, 2–21–67, Cl. 84—322.
Caron, Fred J.: *See*—
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Lloyd, Neil E., Powell, and Carothers. 3,314,840.
Carothers, John N., and R. J. Hurka, Jr. Process for removing impurities from by-product gypsum. 3,326,633, 6–20–67, Cl. 23—122.
Carothers, John S., to Alabama Gas Corp. Low liquid level shut-off apparatus for gas burner. 3,359,972, 12–26–67, Cl. 126—374.

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Breakiron, Robert L., and Dyrenforth. 3,322,275.
Carpenter, Arthur J., and V. D. Kaptur, Jr., to General Motors Corp. Closure operator. 3,299,571, 1–24–67, Cl. 49—31.
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Carpenter, Clifford L., and C. B. Wendell, to Cabot Corp. Apparatus and process for the production of metal oxides. 3,322,499, 5–30–67, Cl. 23—202.
Carpenter Corp.: *See*—
Passmore, David G. 3,323,052.
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Carpenter, Elmer B., to Big Dutchman, Inc. Feed intake for feeder hopper. 3,312,328, 4–4–67, Cl. 198—57.
Carpenter, Ervin C. Tool for removing door handle retaining springs. 3,340,592, 9–12–67, Cl. 29—229.
Carpenter, Herbert L., deceased (by O. M. Carpenter, H. L. Carpenter, Jr., and O. T. Carpenter, executors), and H. L. Carpenter, Jr., to Greif Bros. Cooperage Corp. Plastic lined fiber containers. 3,357,626, 12–12–67, Cl. 229—14.
Carpenter, Herbert L., Jr.: *See*—
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Carpenter, Lester E., R. B. Pelley, and J. T. Hall, to Callahan Mining Corp. Apparatus for forming a continuous reinforced flexible hose. 3,311,523, 3–28–67, Cl. 156—429.
Carpenter, Lewis R., and D. Makuch, to LTV Aerospace Corp. Three dimensional volumetric display means. 3,316,803, 5–2–67, Cl. 88—24.
Carpenter, Marvin L. Torque spring for vehicle. 3,332,678, 7–25–67, Cl. 267—58.
Carpenter, Oliver T.: *See*—
Carpenter, Herbert L., and H. L. Carpenter, Jr. 3,357,626.
Carpenter, Orah M.: *See*—
Carpenter, Herbert L., and H. L. Carpenter, Jr. 3,357,626.
Carpenter, Robert L.: *See*—
Bateman, Jess R., and Carpenter. 3,334,276.
Carpenter, Ronald J., to United States of America, Commerce. Four-terminal direct-current amplifier. 3,327,239, 6–20–67, Cl. 330—59.
Carpenter, Sammy, W. E. Taylor, W. T. McNair, Jr., and F. T. Talbert, to Celanese Corp. of America. Process of purifying methyl ethyl ketone. 3,309,407, 3–14–67, Cl. 260—593.
Carpenter, Sammy, and E. R. Witt, to Celanese Corp. of America. Halogenated phosphates and phosphonates and method of preparation. 3,324,205, 6–6–67, Cl. 260—963.
Carpenter, Victor W., C. E. Ward, and M. F. Littmann, to Armco Steel Corp. Method for improving the magnetic properties of ferrous sheets. 3,347,718, 10–17–67, Cl. 148—111.
Carpenter, William T., to Burlington Industries, Inc. Apparatus for the fluid treatment of textile. 3,330,134, 7–11–67, Cl. 68—9.
Carpenter, William T., to Gaston County Dyeing Machine Co. Method the continuous fluid treatment of running web material. 3,346,893, 10–17–67, Cl. 8—151.
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Carpigiani, Poerio, to APAW S.A. Multi-piston cock adapted for the simultaneous dosing of a plurality of different-flavored ices, or the like. 3,301,440, 1–31–67, Cl. 222—137.
Carpigiani, Poerio, to APAW S.A. Closure plate for the ice-dispensing end of continuous ice cream machines. 3,323,-321, 6–6–67, Cl. 62—342.
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Carr, Charles H., and J. E. Beanblossom, to Hooker Chemical Corp. Continuous process for manufacture of trihalophenols. 3,347,937, 10–17–67, Cl. 260—623.
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Carr, Hugh B., to S. P. Kinney Engineers, Inc. Limit switch assembly for power driven valves. 3,326,238, 6–20–67, Cl. 137—624.17.
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Carr, Kenneth L., to Ferrotec, Inc. Impedance matched stripline ferrite Y circulator having increased ground plane spacing at the junction of the center conductors. 3,355,-679, 11–28–67, Cl. 333—1.1.
Carr, Louis B., to Automated Equipment Corp. Conveyor weighing scale. 3,339,650, 9–5–67, Cl. 177—16.
Carr, Norman L., M. D. Fraser, and S. J. Kramer, to Gulf Research & Development Co. Thermal hydrodealkylation process. 3,340,318, 9–5–67, Cl. 260—672.
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Carrasse, Jean M. P., to Societe Generale de Constructions Electriques et Mechaniques (Alsthom). Thermal insulators. 3,297,189, 1–10–67, Cl. 220—15.
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Ashley, Carlyle M. 3,338,065.
Beck, Arnold A. 3,304,726.
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Branche, William H. 3,312,270.
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Johannes, Virgil I. 3,299,336.
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Johnson, Charles A., and Lunde. 3,333,436.
Kirtland, Howard W., and Check. 3,315,482.
Kirtland, Howard W., and Endress. 3,349,999.
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Leonard, Louis H., Jr. 3,303,872.
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Little, Philip F. 3,321,929.
Lunde, Peter J. 3,336,763.
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Carrier, Robert M., Jr., to Carrier Mfg. Co. Feeding apparatus. Re. 26,291, 10–31–67, Cl. 198—220.

Carrier, Robert M., Jr., deceased; Louisville Trust Co., E. D. Carrier, P. H. Mitchell, and A. D. Stevens, executors and trustees. Liquid mount tunable vibrating device for natural frequency vibrating conveyors. 3,338,384, 8–29–67, Cl. 198—220.

Carrier, Robert M., Jr., deceased; Louisville Trust Co., E. D. Carrier, P. H. Mitchell, and A. D. Stevens, executors and trustees. Adjustable stroke vibratory feeder. 3,346,097, 10–10–67, Cl. 198—220.

Carriere, Pierre P. A., L. F. Jumelle, G. J.-L. Ranvier, and G. Richter, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation and Office National d'Etudes et de Recherches Aerospatiales dit: O.N.R.R.A. Silencers for jet propulsion engines or the like. 3,344,884, 10–3–67, Cl. 181—51.

Carriere, Raymond H., H. Fehr, and R. D. de Saint-Vaulry, to Commissariat a l'Energie Atomique. Rotating machine. 3,356,425, 12–5–67, Cl. 308—10.

Carrigan, Raymond J., and W. T. Harrison, to Bigelow-Sanford, Inc. Axminster pile fabric and method for making the same. 3,354,914, 11–28–67, Cl. 139—399.

Carrigan, Richard B. Male urinal with inflatable sealing means. 3,353,538, 11–21–67, Cl. 128—295.

Carrigan, William H., and R. E. O'Brien, to Kirkhof Mfg. Corp. Vacuum forming die and method. 3,308,213, 3–7–67, Cl. 264—90.

Carrington, James E., to Short Bros. & Harland Ltd. Hydraulic valves. 3,323,549, 6–6–67, Cl. 137—625.69.

Carrington, Thomas R., T. A. Savidge, and M. F. Walmsley. Process for making penicillin amidase. 3,298,924, 1–17–67, Cl. 195—65.

Carrington, William K.: *See*—
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Doak, Kenneth W., and Carrock. 3,359,345.

Carrol, Clifford L. Holder and dispenser for toilet paper. 3,295,777, 1–3–67, Cl. 242—55.3.

Carroll, Albert, to Lever Bros. Co. Eyecup and spray dispenser. 3,314,426, 4–18–67, Cl. 128—173.

Carroll, Albert P. Gas and air separator. 3,336,732, 8–22–67, Cl. 55—201.

Carroll, Albert P. Air and gas separator for descending water. 3,353,494, 11–21–67, Cl. 103—203.

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Carroll, Edward E., Jr., to United States of America, Atomic Energy Commission. Time expander for multichannel analyzer. 3,305,785, 2–21–67, Cl. 328—56.

Carroll, Felix P., and R. J. Hoelzer, to Allied Chemical Corp. High strength adhesive for building materials. 3,309,328, 3–14–67, Cl. 260—23.

Carroll, Frank: *See*—
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Carroll, Frederick C., to Toledo Scale Corp. Condition responsive mechanism. 3,342,277, 9–19–67, Cl. 177—178.

Carroll, George, and B. G. Mann, to The Marine Engineering Co. (Stockport) Ltd. Permanent magnet operated clutch and brake. 3,312,319, 4–4–67, Cl. 192—18.

Carroll, James B. R., Jr., to Selas Corp. of America. Web drying. 3,340,617, 9–12–67, Cl. 34—18.

Carroll, John H., to Union Carbide Corp. Level indicator for determining height of solid material in a storage vessel. 3,348,004, 10–17–67, Cl. 200—61.2.

Carroll, John W. Gas meter change device. 3,310,322, 3–21–67, Cl. 285—18.

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Carroll, Paul E.: *See*—
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Carroll, Paul E. Method and apparatus for measuring an unknown impedance by comparison with a standard impedance. 3,299,352, 1–17–67, Cl. 324—57.

Carroll, Richard W., to Collins Radio Co. Temperature stable low frequency filter without inductance. 3,303,354, 2–7–67, Cl. 307—88.5.

Carroll, Shirley B. Instrument case. 3,313,101, 4–11–67, Cl. 58—105.

Carroll, Terry M., and R. Hofstetter. Tabletop simulated golf game apparatus with distance and error indicating device. 3,355,175, 11–28–67, Cl. 273—134.

Carroll, William L. Pattern determining device. 3,354,671, 11–28–67, Cl. 66—50.

Carroll, William P. Remote light actuated control means for models. 3,314,189, 4–18–67, Cl. 46—244.

Carrubba, Robert V., and R. L. Golden, to Halcon International, Inc. Preparation of anilines from oxygenated cyclohexanes. 3,347,921, 10–17–67, Cl. 260—581.

Carruthers, Eben H. Method and machine for packing food products. 3,321,317, 5–23–67, Cl. 99—188.

Carruthers, Eben H. Method of controlling the feed to food packing machines. 3,346,403, 10–10–67, Cl. 99—188.

Carruthers, Eben H. Machine for packing compressible materials into containers. 3,357,155, 12–12–67, Cl. 53—124.

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Carsey, Eugene A., to The Kirk & Blum Mfg. Co. Dust collecting plenum installation. 3,314,098, 4–18–67, Cl. 15—301.

Carsey, Eugene A., to The Kirk & Blum Mfg. Co. Dust collector system. 3,343,197, 9–26–67, Cl. 15—301.

Carsey, Eugene A., to The Kirk & Blum Mfg. Co. Oil mist and flotation dust collector. 3,353,340, 11–21–67, Cl. 55—324.

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Carson, Charles W., to General Electric Co. Coil winding apparatus. 3,332,633, 7–25–67, Cl. 242—9.

Carson, Earl W., R. E. Derr, and M. W. Iverson, to Honeywell Inc. Control apparatus. 3,351,315, 11–7–67, Cl. 244—77.

Carson, Forrest L. Extensible aligning tow bar. 3,329,445, 7–4–67, Cl. 280—478.

Carson, Frank J.: *See*—
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Carson, Frank J., and G. F. Ritter, Jr., to Libbey-Owens-Ford Glass Co. Apparatus for press bending glass sheets. 3,329,494, 7–4–67, Cl. 65—287.

Carson, Frank J., and H. A. Leflet, Jr., to Libbey-Owens-Ford Glass Co. Method for bending glass sheet to a complex curvature. 3,348,935, 10–24–67, Cl. 65—103.

Carson, John F., to Midwest Bank Builders, Inc. Drive-in banking system. 3,298,632, 1–17–67, Cl. 243—19.

Carson, Laurence F., to Pittsburgh Plate Glass Co. Combination sliding and pivoted door. 3,318,047, 5–9–67, Cl. 49—149.

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Carson, Oliver S., to Short Bros. & Harland Ltd. Electric torque motor. 3,329,916, 7–4–67, Cl. 335—230.
Carson, Raymond M. Paper cup holder and carrier. 3,341,-242, 9–12–67, Cl. 294—16.
Carson, William D., and L. F. Paul, to General Motors Corp. Storage battery. 3,313,033, 4–11–67, Cl. 34—21.
Carson, William D., L. F. Paul, R. O. Wilkins, and O. H. Smith, to General Motors Corp. Storage battery. 3,314,-158, 4–18–67, Cl. 34—21.
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Carson, William N., Jr., to General Electric Co. Secondary cell having hydrogen-oxygen recombination catalyst in communication with electrolyte chamber. 3,356,533, 12–5–67, Cl. 136—6.
Carson, William N., Jr., and W. H. Fischer, to General Electric Co. Sea water-activated primary battery. 3,352,718, 11–14–67, Cl. 136—91.
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Carter, Aaron D., and L. G. Johnston. Lubrication system for internal combustion engines. 3,295,507, 1–3–67, Cl. 123—196.
Carter, Albert E.: *See*—
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Carter, Andrew G. Fail-safe automatic belt anchor system. 3,308,902, 3–14–67, Cl. 180—82.
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Carter, Charles E., and S. C. Wells, Jr., to United Elastic Corp. Extrusion head for plastic tubing. 3,303,247, 2–7–67, Cl. 264—95.
Carter, Charles W., to Stromberg-Carlson Corp. Telephone ringing circuits. 3,300,589, 1–24–67, Cl. 179—87.
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Carter, David A. Magnetic stamp kit. 3,314,634, 4–18–67, Cl. 248—206.
Carter, Dean E.: *See*—
Himes, Glenn R., and Carter. 3,343,582.
Carter, Don E.: *See*—
Wygant, James C., Prill, Carter, and Kucia. 3,360,546.
Carter, Don E., to Monsanto Co. Constant volume conversion meter. 3,310,975, 3–28–67, Cl. 73—19.
Carter, Elbert P., to E. I. du Pont de Nemours and Co. Over-current protective device. 3,336,504, 8–15–67, Cl. 317—52.
Carter, Ernest P., and R. S. Otstot, to Monsanto Co. Pneumatic false twister. 3,303,639, 2–14–67, Cl. 57—77.3.
Carter, Eugene H., to Hoerner Boxes, Inc. Display container and carrier. 3,301,386, 1–31–67, Cl. 206—1.
Carter, Frank L., to Pioneer Packaging, Inc. Display carton. 3,298,504, 1–17–67, Cl. 206—45.14.
Carter, Fred V., and D. R. Jones. Heliotropic device with thermocouple sensors. 3,305,686, 2–21–67, Cl. 250—203.
Carter, Frederick D., to Jones Gas Process Co. Ltd. Recovery of carbon black from aqueous slurries thereof contaminated with polycyclic hydrocarbon pyrolysis products. 3,325,301, 6–13–67, Cl. 106—307.
Carter, George A., III. Motorized surfboard. 3,324,822, 6–13–67, Cl. 115—70.
Carter, George D. Ball skate device. 3,355,185, 11–28–67, Cl. 280—11.23.
Carter, George H., to Redland Tiles Ltd. Article propelling apparatus. 3,355,009, 11–28–67, Cl. 198—221.
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Carter, Harry T. Variable connector. 3,347,573, 10–17–67, Cl. 287—14.
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Carter, James C., Smith, and Kaessen. 3,304,877.
Carter, James, and E. E. Kueppers. Wall display bank. 3,332,616, 7–25–67, Cl. 232—5.
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Carter, James C., L. R. Smith, and D. A. Kaessen, to J. C. Carter Co. Submerged motor driven pumping system. 3,304,877, 2–21–67, Cl. 103—87.
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Carter, James L., P. J. Lucchesi, and E. R. Nightingale, Jr., to Esso Research and Engineering Co. Olefin separation with strontium and cadmium molecular lieves. 3,355,509, 11–28–67, Cl. 260—677.
Carter, James S. F., ½ to K. B. Ray. Apparatus for packaging fruit juices and similar products. 3,350,839, 11–7–67, Cl. 53—88.
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Habdas, Edward P., and Carter. 3,314,260.
Carter, John W., to Caterpillar Tractor Co. Method and apparatus for controlling bounce in tractor-trailer combinations. 3,321,216, 5–23–67, Cl. 280—489.
Carter, John W., J. C. Medley, and J. P. Mueller, to Caterpillar Tractor Co. Hydropneumatic seat suspension. 3,300,203, 1–24–67, Cl. 267—1.
Carter, Joseph H. Can opener. 3,302,283, 2–7–67, Cl. 30—15.5.
Carter, Joseph H., to Carter Machine & Tool Co. Toy tire with white side wall insert ring. 3,360,300, 12–26–67, Cl. 301—63.
Carter, Kenneth G. Roll crusher rebuilder. 3,339,055, 8–29–67, Cl. 219—76.
Carter, Lavoy. Prefabricated, adjustable stairway, ramp or bridge. 3,299,590, 1–24–67, Cl. 52—183.
Carter, Leewood C.: *See*—
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Carter, Paul H., to Maryland Cup Corp. Lid construction. 3,346,170 10–10–67, Cl. 229—43.
Carter, Paul H., and T. E. Marion, to Universal Machine Co., Inc. Machine for assembling collars around the necks of bottles. 3,324,537, 6–13–67. Cl. 29—208.
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Carter, Ralph E., to General Electric Co. Composition of matter and method of producing same. 3,351,496, 11–7–67, Cl. 136—153.
Carter, Richard P., to United States of America, Navy. Method of manufacture of rocket chambers having an integral insulator or liner. 3,303,079, 2–7–67, Cl. 156—172.
Carter, Robert C.: *See*—
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Carter, Robert C., to Collins Radio Co. Use of resistive feedback in unbalanced R-C integrator. 3,333,117, 7–25–67, Cl. 307—88.5.
Carter, Robert E. Folding doors. 3,298,423, 1–17–67, Cl. 160—97.
Carter, Robert M., and G. L. Petrik, to Link-Belt Co. Side frame mount. 3,313,368, 4–11–67, Cl. 180—9.2.
Carter, Robert M., and G. L. Petrik, to Link-Belt Co. Power shovel. 3,346,129, 10–10–67, Cl. 214—135.
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Carter, Ronald P., W. A. Cowin, and M. C. Hall, to The English Electric Co. Ltd. Circuit for deriving square wave from incoming alternating signal. 3,350,578, 10–31–67, Cl. 307—88.5.

Carter, Roy D. Apparatus for insect control. 3,330,062, 7–11–67, Cl. 43—124.
Carter, Russell P., Jr., to The Goodyear Tire & Rubber Co. 2-amino-2-methyl-propanol cross linking agent for polyurethane process and product. 3,296,156, 1–3–67, Cl. 260—9.
Carter, Shirley J. Tungsten carbide brazing. 3,297,693, 1–10–67, Cl. 29—473.1.
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Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Apparatus for applying gum to a label picker. 3,310,030, 3–21–67, Cl. 118—261.
Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Article combiner. 3,310,151, 3–21–67, Cl. 198—32.
Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Labeling machine with yieldable drive means for picker and emergency stop. 3,310,449, 3–21–67, Cl. 156—365.
Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Labeling machine. 3,313,673, 4–11–67, Cl. 156—566.
Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Rotary-type labeling machine. 3,354,016, 11–21–67, Cl. 156—363.
Carter, Terry L. Case packer. 3,327,450, 6–27–67, Cl. 53—61.
Carter, Thomas. Automotive vehicle. 3,305,038, 2–21–67, Cl. 180—50.
Carter, Thomas L., to E. I. du Pont de Nemours and Co. Melt spinning filtration bed retaining screen. 3,348,263, 10–24–67, Cl. 18—8.
Carter, Thomas M., to Universal American Corp. Agricultural sprayer. 3,321,137, 5–23–67, Cl. 239—78.
Carter, Thomas R., F. Fahnoe, and E. P. Supinski, to National Distillers and Chemical Corp. Production of vanadium oxytrichloride. 3,355,244, 11–28–67, Cl. 23—17.
Carter, Truland H. Analog circuit for simulating and then calculating the forces on a structure having fixed or pinned joints. 3,335,267, 8–8–67, Cl. 235—184.
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Carter, Whitney B., to Eastman Kodak Co. Method for packaging tow. 3,351,992, 11–14–67, Cl. 28—72.
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Carter, William A., to I-T-E Circuit Breaker Co. Current-sensing circuit. 3,315,130, 4–18–67, Cl. 317—33.
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Carter, William B., and W. C. Ziegenbain, to Continental Oil Co. Process for displacement of trialkylaluminum in the preparation of alpha olefins. 3,317,625, 5–2–67, Cl. 260—677.
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Carter, William J., Jr., to The Firewel Co., Inc. Balanced demand valve. 3,343,563, 9–26–67, Cl. 137—517.
Carter, William L. Calorie indicator. 3,323,720, 6–6–67, Cl. 235—128.
Carter, William L. Calorie and gram indicator. 3,337,128, 8–22–67, Cl. 235—71.
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Carthew, John R., E. Loizides, and L. A. Mitta, to International Business Machines Corp. Data translation apparatus. 3,354,450, 11–21–67, Cl. 340—347.
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Cartier, Gerald J. 3,299,850.
Cartier, Gerald J.: *See*—
Cartier, Gerald J. 3,299,850.
Cartier, Gerald J., to G. H., T. H., and B. J. Cartier. Explosive fire alarm. 3,299,850, 1–24–67, Cl. 116—105.
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Cartier, Roger J., to Controls Co. of America. Process timers. 3,354,733, 11–28–67, Cl. 74—125.
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Cartwright, Gerald D., and E. M. Smith, to Radio Corp. of America. Storage tube target structure having attached shield ring. 3,319,103, 5–9–67, Cl. 313—68.
Cartwright, Jessie, to Borg-Warner Corp. Dispensers for washing machines. 3,334,499, 8–8–67, Cl. 68—207.
Cartwright, John S., C. W. Henderson, G. E. Melvin, R. C. Steen, and E. Tice, to Western Electric Co., Inc. Methods of and apparatus for winding wire. 3,314,452, 4–18–67, Cl. 140—92.2.
Cartwright, Victor F., to Babcock Electronics Corp. Pulsed range and angle measuring system. 3,350,711, 10–31–67, Cl. 343—11.
Cartwright, Victor F., to Babcock Electronics Corp. Distance indicating radio apparatus. 3,353,179, 11–14–67, Cl. 343—13.
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Caruso, Gerard P., to Shell Oil Co. Manufacture of clay-thickened greases. 3,321,398, 5–23–67, Cl. 252—28.
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Cary, Donald S., to Xerox Corp. Color display. 3,316,805, 5–2–67, Cl. 88—24.
Cary, Donald S., to Xerox Corp. Frost color display. 3,322,034, 5–30–67, Cl. 88—24.
Cary, Francis H., to The New York Air Brake Co. Pumps. 3,312,171, 4–4–67, Cl. 103—44.
Cary, Francis H., to The New York Air Brake Co. Combined butterfly and check valve. 3,344,808, 10–3–67, Cl. 137—599.2.
Cary, Hall, to The Reliance Electric and Engineering Co. Accelerometer. 3,307,410, 3–7–67, Cl. 73—517.
Cary, Henry H., to Applied Physics Corp. System for measuring optical activity of materials. 3,312,141, 4–4–67, Cl. 88—14.
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Cary, James E., to Sweden Freezer Mfg. Co. Dialyzer clamp assembly. 3,352,421, 11–14–67, Cl. 210—238.
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Casadio, Silvano, to Istituto de Angeli S.p.A. α-Substituted 1-naphthyl-acetamides and non-toxic acid addition salts thereof. 3,344,146, 9–26–67, Cl. 260—311.
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Casanova, Louis A., to Westinghouse Electric Corp. Preignition prevention in ignitrons by delayed application to the auxiliary anode. 3,311,784, 3–28–67, Cl. 315—262.
Casassa, Joseph P., to General Motors Corp. Fuel pump with rocker arm wear pad. 3,359,918, 12–26–67, Cl. 103—215.
Casavant, Donald D., N. Gold, and A. J. Sable, to Polaroid Corp. Photographic film sheets with gripping means to facilitate tearing. 3,313,627, 4–11–67, Cl. 96—76.
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Case, William H. Adjustable applicator and cleaner. 3,332,103, 7–25–67, Cl. 15—511.
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Casey, James H., to Minnesota Mining and Mfg. Co. Brush fed tape dispenser. 3,338,125, 8–29–67, Cl. 83—210.
Casey, James J., and R. R. Garnache, to Sprague Electric Co. Semiconductor method and device. 3,337,375, 8–22–67, Cl. 148—33.
Casey, John A., to Sun Oil Co. Stabilized polypropylene. 3,350,347, 10–31–67, Cl. 260—45.95.
Casey, Leonard R. Rotary pump. 3,331,326, 7–18–67, Cl. 103—2.
Casey, Peter E. Hydrostatic testing device. 3,340,724, 9–12–67, Cl. 73—49.2.
Casey, Robert T., to General Electric Co. Double module circuit breaker panel assembly. 3,349,290, 10–24–67, Cl. 317—119.
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Cash, George O., Jr., and J. C. Martin, to Eastman Kodak Co. Dialkyl ketene polymers prepared with butyl lithium catalysts. 3,321,441, 5–23–67, Cl. 260—63.
Cash, James A., Jr., to The Akron Standard Mold Co. Sewing machine and method of splicing fabric together. 3,336,886, 8–22–67, Cl. 112—2.
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Cashion, Jack A. Pivoted tool having a wedge-shaped jaw portion for engaging a tie rod sleeve. 3,336,825, 8–22–67, Cl. 81—426.
Cashion, Kenneth D., and B. R. Baker, to United States of America, National Aeronautics and Space Administration. Radiation detector readout system. 3,358,145, 12–12–67, Cl. 250—207.
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Merz, Richard E., and Cashman. 3,324,034.
Stroot, Donald H., and Sunderlin. 3,324 963.
Cashman, Robert M., to The Continental Oil Co. Surface-piercing mast for measuring the depth of a submerged vessel. 3,307,399, 3–7–67, Cl. 73—311.
Cashman, Robert W., to Saginaw Machine & Tool Co. Tool holder construction. 3,299,752, 1–24–67, Cl. 82—36.
Cashman, Robert W., to Saginaw Machine & Tool Co. Tool bit clamp construction and method of manufacture. 3,335,-480, 8–15–67, Cl. 29—96.
Cashman, Robert W., and A. Wasco, Jr., to Saginaw Machine and Tool Co. Axially adjustable coupling. 3,306,076, 2–28–67, Cl. 64—11.
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Allen, Robert P., Cashman, Short, and Winsor. 3,302,-957.
Cashore, Louis J. Apparatus for detecting creel cord irregularities. 3,343,410, 9–26–67, Cl. 73—160.
Casini, Vittorio, to Piaggio & C. S.p.A. Indicator device. 3,313,267, 4–11–67, Cl. 116—116.
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Casper, Ray K., to E. J. Longyear Co. Underground water swivel apparatus. 3,303,897, 2–14–67, Cl. 175—214.
Caspers, James W., to United States of America, Navy. Correlation direction finder system. 3,329,956, 7–4–67, Cl. 343—119.
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Hoxeng, Julian S., McCarty, and Cass. 3,334,360.
Cass, Lester E. Hydraulic pump. 3,299,633, 1–24–67, Cl. 60—52.
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Brucken, Byron L., and Cassady. 3,314,385.
Cassagne, Pierre: *See*—
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Cassagne, Pierre, and G. Melchior, to Compagnie Francaise de Television. Systems for the generation of special effects in colour television. 3,296,367, 1–3–67, Cl. 178—5.4.
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Cassano, James R., and L. H. P. Turner, to Xerox Corp. Sheet feed mechanism. 3,301,551, 1–31–67, Cl. 271—62.
Cassano, James R., and L. H. Turner, to Xerox Corp. Xerographic roller fuser drive apparatus. 3,324,791, 6–13–67, Cl. 100—172.
Cassano, James R., and L. H. Turner, to Xerox Corp. Xerographic fusing apparatus. 3,331,592, 7–18–67, Cl. 263—6.
Cassarno, George J. Glue-applying apparatus. 3,295,491, 1–3–67, Cl. 118—2.
Cassedy, William F., Jr., to Stackpole Carbon Co. Snap switch. 3,349,358, 10–24–67, Cl. 338—172.
Cassel, Knut E., to Allgon Antennspecialisten A/B. Directional antenna comprising an inclined nonreflecting radiating element and vertical counterpoise. 3,337,873, 8–22–67, Cl. 343—731.
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Cassidy, Benjamin, to Federal Carton Corp. Book carton. 3,331,548, 7–18–67, Cl. 229—40.
Cassidy, Francis T., Jr., to International Telephone and Telegraph Corp. Time shared telegraph transmission system including sequence transmission with reduction of start and stop signals. 3,310,626, 3–21–67, Cl. 178—50.
Cassidy, Harry J., and W. D. Beck, to Borg-Warner Corp. Lubrication system for rotary compressor. 3,312,387, 4–4–67, Cl. 230—152.
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Cassidy, Patrick J., and M. L. Quammen, to United States of America, Army. Binocular carrying case. 3,297,218, 1–10–67, Cl. 224—26.
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Casson, Kenneth H., to Barnes Drill Co. Vacuum filter. 3,332,553, 7–25–67, Cl. 210—103.
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Castel, Gerard A. L., to Nouveautes Mecaniques Electriques Nomel. Lock-washers. 3,332,464, 7–25–67, Cl. 151—35.
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Castello, Anthony M., to The Coleman Co., Inc. Coupling device for connecting precharged fluid lines. 3,331,377, 7–18–67, Cl. 137—68.
Casterline, Burnham, R. H. Chapman, and R. V. Eschbaugh, to Motorola, Inc. Electronic control circuit including counter for selectively actuating one of a plurality of units. 3,345,-569, 10–3–67, Cl. 325—25.
Casterline, Russell C., L. F. Goeller, Jr., and J. M. Nervik, to Bell Telephone Laboratories, Inc. Trunk switching circuitry. 3,336,442, 8–15–67, Cl. 179—18.
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Castle, William S., D. K. Thompson, and H. M. Mar, to General Motors Corp. Regenerative fan engine. 3,320,749, 5–23–67, Cl. 60—226.
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Castleberry, Robert W. Awning system for mobile homes. 3,302,342, 2–7–67, Cl. 52—90.
Castner, John F., to Hankscraft Co. Means for dispensing cotton-tipped applicators. 3,306,494, 2–28–67, Cl. 221—81.
Castoe, John H. Tool for brake shoe hold down springs. 3,355,-791, 12–5–67, Cl. 29—227.
Castoe, John J. Vehicle axle positioning tool. 3,329,404, 7–4–67, Cl. 254—93.
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Casull, Richard J., ½ to R. J. and G. Casull, and ½ to K. R. and F. P. Eskelsen. Drum cartridge feeding mechanism. 3,319,523, 5–16–67, Cl. 89—33.
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Caswell, Dwight A., to Caswell Electronics Corp. Switching circulator having slots extending from the pole pieces to the exterior of the housing to overcome the short-turn effect. 3,324,418, 6–6–67, Cl. 333—1.1.
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Catalano, Joseph. Folding gate. 3,312,272, 4–4–67, Cl. 160—162.
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Catalano, Philip F., and L. S. Linderoth, Jr., to Continental Can Co., Inc. Continuous container forming apparatus. 3,333,754. 8–1–67. Cl. 228—15.
Cataldo, John B., E. T. Platz, and B. Di Marco, to I-T-E Circuit Breaker Co. Electromagnetic contactor having interchangeable auxiliary devices. 3,324,431, 6–6–67, Cl. 335—132.
Cataldo, John B., A. J. Kralik, F. W. Kussy, and R. W. Thomas, to I-T-E Circuit Breaker Co. Toggle lever actuated manually-operated circuit controller. 3,349,208, 10–24–67, Cl. 200—153.
Cataldo, Roy S., to General Motors Corp. Steering control system. 3,338,328, 8–29–67, Cl. 180—79.1.
Cataldo, Roy S., to General Motors Corp. Free piston-pulsed turbine engine. 3,359,719, 12–26–67, Cl. 60—13.
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Boggs, Roger L. 3,359,044.
Borer, Herbert W., and Ream. 3,360,146.
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Young, Teddy R. 3,342,502.
Cates, Henry J., Jr., and T. Rosenberg. Incinerator. 3,317,202, 5–2–67, Cl. 263—33.
Cates, Jerome C., Jr., to The Dow Chemical Co. Cumulative detector for chlorine gas. 3,305,852, 2–21–67, Cl. 340—237.
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Cathcart, Norman E. Door supported adjustable towel rack. 3,355,030, 11–28–67, Cl. 211—87.
Catherall, Reginald, and H. A. Dorey. Transfer function testing apparatus utilizing a sine wave transfer function obtained by combining rectangular and triangular waveforms. 3,340,469, 9–5–67, Cl. 324—57.
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Bennett, Melvin R., and Cathers. 3,328,132.
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Strobel, Albert F., and Catino. 3,336,357.
Strobel, Albert F., and Catino. 3,337,357.
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Strobel, Albert F. and Catino. 3,350,395.
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Catravas, George N., to Technicon Corp. Chromatographic column. 3,334,514, 8–8–67, Cl. 73—23.1.
Catravas, George N., to Technicon Corp. Method and apparatus for chromatography analysis and hydrolysis of peptides. 3,334,969, 8–8–67, Cl. 23—230.
Catravas, George N., to Technicon Corp. Chromatography analysis apparatus and method. 3,341,299, 9–12–67, Cl. 23—230.
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Cattin, Jean V. Locking devices for straps. 3,349,450, 10–31–67, Cl. 24—206.
Catu, Pierre E. H., to Office Central de Gestion et de Controle OGEC. Hydraulic winch with self-clamping jaws. 3,334,865, 8–8–67. Cl. 254—106.
Catzen, Robert W., to Covington Mfg. Corp. Method of cleaning ink from rubber dies. 3,355,324. 11–28–67, Cl. 134—29.
Caubet, Jacques, to Automobiles M. Berliet. Friction elements especially resistant to wear by abrasion. 3,321,338, 5–23–67, Cl. 148—11.5.
Caubet, Jean J., to Automobiles M. Berliet. Surface treatment for jointly improving friction and fluid tightness. 3,319,314, 5–16–67. Cl. 29—149.5.
Caudell, Le Roy. Storage Systems, Inc. Drive-in storage rack. 3,337,061, 8–22–67, Cl. 211—134.
Cauffman, Eugene W., to Parker Feeders, Inc. Rotary diverter for livestock feeder. 3,304,915, 2–21–67, Cl. 119—56.
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Caule, Elmer J., M. J. Pryor, and P. R. Sperry, to Olin Mathieson Chemical Corp. Copper base alloys and process for preparing same. 3,341,369, 9–12–67, Cl. 148—3.
Caulford, Donald A., and J. R. Phin, to Canadian Stackpole Ltd. Apparatus for dispensing liquid adhesive. 3,358,645, 12–19–67, Cl. 118—262.
Caulier, Paul W., and C. Dixon, to General Electric Co. Shutter for pinhole detectors. 3,299,771, 1–24–67, Cl. 88—14.
Caulkins, Bruce D. Tire display. 3,307,282, 3–7–67, Cl. 40—125.
Caumartin, Yves, and H. Habermann, to Etat Francais (French State) represented by the Minister of Armed Forces, Ministerial Delegation of Armament, Direction of Researches and Manufacture of Armament, Laboratory of Ballistic and Aerodynamic Researches. Precision centrifuge. 3,313,139, 4–11–67, Cl. 73—1.

Caunt, Alan, to Metalastik Ltd. Flexible bearing mounting. 3,325,230, 6–13–67, Cl. 308—28.

Caunt, Alan, to Metalastik Ltd. Torsional vibration dampers and like assemblies. 3,334,886, 8–8–67, Cl. 267—1.

Causemann, Karl, to Barmer Maschinenfabrik Aktiengesellschaft. Hot melt screw extruder. 3,355,766, 12–5–67, Cl. 18—12.

Causey, Jerry L. Feeding device for invalids. 3,317,061, 5–2–67, Cl. 214—1.

Causey, Stanley R. Weather vane fixture. 3,354,715, 11–28–67, Cl. 73—188.

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Cauvin, Andre, to Societe Anonyme Simca Automobiles. Vehicles and fitting therefor. 3,338,620, 8–29–67, Cl. 296—37.

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Cavagnaro, William A., to General Electric Co. Cartridge arrangement. 3,328,038, 6–27–67, Cl. 274—37.

Cavagnero, Erman V., to The Torrington Mfg. Co. Machine for coiling strip metal. 3,303,679, 2–14–67, Cl. 72—35.

Cavagnero, Erman V., to The Torrington Mfg. Co. Chip exhaust system. 3,322,037, 5–30–67, Cl. 90—11.

Cavalier, Gilbert, to Institut de Recherches de la Siderurgie Francaise. Apparatus for withdrawing samples from molten metal baths. 3,309,928, 3–21–67, Cl. 73—425.6.

Cavalier, Gilbert, to Institut de Recherches de la Siderurgie. Refractory alloy. 3,329,498, 7–4–67, Cl. 75—170.

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Cavanagh, John R., to International Arms Ltd. Reversible file holder. 3,318,453, 5–9–67, Cl. 211—11.

Cavanaugh, Edwin J. Power lawn mowers. 3,323,295, 6–6–67, Cl. 56—26.

Cavanaugh, George J. Carpet laying tool. 3,322,209, 5–30–67, Cl. 173—132.

Cavanaugh, Richard D., to Barry Wright Corp. Gravity-sensitive levelling. 3,310,263, 3–21–67, Cl. 248—23.

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Cavell, Matthew S., and S. H. Fishman. Wet scrubbing and vacuum cleaning apparatus. 3,355,762, 12–5–67, Cl. 15—321.

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Cayer, Arthur W. Measuring and dispensing device. 3,311,273, 3–28–67, Cl. 222—362.

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Cekada, Joseph, Jr., to Dow Corning Corp. Silicone rubber latexes reinforced with silsesquioxanes. 3,355,406, 11–28–67, Cl. 260—29.2.

Cekada, Joseph, Jr., and J. W. Van Dyke, to Dow Corning Corp. Antioxidation additives. 3,317,429, 5–2–67, Cl. 252—78.

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Cella, Richard T. Zero gravity toilet. 3,340,544, 9–12–67, Cl. 4—10.
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Cerwonka, Edward, to General Aniline & Film Corp. Photopolymerization of vinyl monomers by means of ferric salts of organic acids. 3,352,675, 11–14–67, Cl. 96—35.1.
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Chaffiotte, Pierre P., to Societe d'Exploitation des Materiels Hispano-Suiza. Supercharged diesel engine power plants. 3,355,877, 12–5–67, Cl. 60—13.
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Chaikin, Malcolm, and A. D. Dircks. Continuous fibre disentangling and straightening apparatus. 3,358,336, 12–19–67, Cl. 19—128.
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Challender, Ronald S., to United Kingdom Atomic Energy Authority. Nuclear reactor control mechanisms. 3,342,688, 9–19–67, Cl. 176—36.
Challender, Ronald S., M. C. Pugh, and W. P. White, to United Kingdom Atomic Energy Authority. Control members for nuclear reactors. 3,324,006, 6–6–67, Cl. 176—36.
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Challman, Glenn V. Livestock markers. 3,304,218, 2–14–67, Cl. 156—572.
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Chalmers, John W., to The Molins Organisation Ltd. Packets for cigarettes or the like. 3,327,887, 6–27–67, Cl. 220—31.
Chalmers, John W., and W. A. Roffey, to The Molins Organisation, Ltd. Packets for cigarettes or the like. 3,327,888, 6–27–67, Cl. 220—31.
Chalmers, Wallace G. Tandem axle suspension. 3,315,979, 4–25–67, Cl. 280—104.5.
Chalmers, William, and A. J. Shaw, to Eversharp, Inc. Process for the isolation of alpha-glyceryl ethers from marine oils. 3,342,876, 9–19–67, Cl. 260—615.
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Chalpin, Edward S., and D. E. Hanson, to Metal Bellows Corp. Low-cost manufacture of flexible torque coupling. 3,346,945, 10–17–67, Cl. 29—436.

Chamayou, Gerard, to Societe Anonyme dite : Vallourec. Means for tube assemblage and analogous apparatus. 3,356,394, 12–5–67, Cl. 287—54.

Chambaut, Henri L. Contact system. 3,313,904, 4–11–67, Cl. 200—166.

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Chamberlain, John, to United Aircraft Corp. Stacked-wafer turbine vane or blade. 3,301,526, 1–31–67, Cl. 253—39.1.

Chamberlain, John, and U. G. Volpi, to United Aircraft Corp. High velocity ram induction burner. 3,338,051, 8–29–67, Cl. 60—39.65.

Chamberlain, La Vern A., and C. O. Nelson. Marking attachment for coiled measuring tape. 3,336,678, 8–22–67, Cl. 33—189.

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Chamberlain, Ralph J., to American Cyanamid Co. Filter cigarette. 3,319,629, 5–16–67, Cl. 131—10.

Chamberlin, Coleman R. Self-adhesive, conforming plastic pad label holders. 3,343,289, 9–26–67, Cl. 40—16.

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Chamberlin, Donald W., to FMC Corp. Fruit processing machine. 3,305,074, 2–21–67, Cl. 198—131.

Chamberlin, Donald W., to FMC Corp. Apparatus for feeding and orienting pear-shaped articles. 3,357,538, 12–12–67, Cl. 198—33.

Chamberlin, Earl M., to Merck & Co., Inc. Synthesis of 17*a*-haloethynyl - 17β - hydroxy - 19-nor-4,9-androstadien-3-ones. 3,326,945, 6–20–67, Cl. 260—397.4.

Chamberlin, James W., to Eli Lilly and Co. 3-formyl cephalosporins. 3,351,596, 11–7–67, Cl. 260—243.

Chamberlin, John R., Jr., and C. E. Gryctko, to I-T-E Circuit Breaker Co. Variable depth rotary handle operator for circuit breakers. 3,324,259, 6–6–67, Cl. 200—50.

Chamberlin, Leo A., Jr., to Texas Instruments Inc. Phased array radar antenna scan control. 3,345,631, 10–3–67, Cl. 343—100.

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Chambers, Franklin E. Combination door safety chain and lock. 3,339,963, 9–5–67, Cl. 292—264.

Chambers, Howard L., to The Bendix Corp. Flexible coupling. 3,336,764, 8–22–67, Cl. 64—13.

Chambers, Jerome B., and R. P. Dellaquila, to American Machine & Foundry Co. Conveying system. 3,311,419, 3–28–67, Cl. 302—12.

Chambers, John E. Ventilating air diffuser apparatus. 3,308,741, 3–14–67, Cl. 98—40.

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Chambers, Victor S., to Uniroyal, Inc. Ferric dialkyl dithiocarbamates used to increase the vulcanization rate of monoolefin-non-conjugated diene terpolymers. 3,330,790, 7–11–67, Cl. 260—23.7.

Chambers, Warren D., to The Bendix Corp. Telescopic frictional shock absorber. 3,332,523, 7–25–67, Cl. 188—129.

Chambers, William C., and M. Lee, to The Dow Chemical Co. Cellulose ether composition. 3,356,519, 12–5–67, Cl. 106—187.

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Chambers, William W., and W. V. De Forest, to Robertshaw Controls, Co. Temperature control system. 3,310,713, 3–21–67, Cl. 317—132.

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Chambers, Worthy L., and G. R. Wolter, to Sunbeam Corp. Hair drier. 3,295,869, 1–3–67, Cl. 285—200.

Chambers, Worthy L., and J. A. Wright, to Sunbeam Corp. Ejector mechanism for mixer. 3,341,181, 9–12–67, Cl. 259—1.

Chambert, Lars A. A., to Aktiebolaget Svenska Mashinverken. Valve structure adapted to be arranged in a flue bend. 3,351,091, 11–7–67, Cl. 137—601.

Chamblee, Elijah C., to Brown Oil Tools, Inc. Pipe hanger assemblies and methods of running and removing multiple strings in well bores. 3,330,354, 7–11–67, Cl. 166—46.

Chambran, Jacques, to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Control of alumina content during igneous electrolysis. 3,317,413, 5–2–67, Cl. 204—67.

Chambran, Jacques, to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Ingot stacking machine. 3,356,231, 12–5–67, Cl. 214—6.

Chambran, Jacques, to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Metal ingots. 3,356,465, 12–5–67, Cl. 29—187.

Chambran, Jacques, R. M. G. J. Scalliet, and D. Duclaux, to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. High yield electrolytic fusion cell having anode suspension means. 3,351,546, 11–7–67, Cl. 204—243.

Chameroy, Jean, and J. Lexague, to Groupement Atomique Alsacienne Atlantique. Device for providing relative leak-tightness between two parts which are movable with respect to each other. 3,325,980, 6–20–67, Cl. 55—422.

Chamot, Walter M., to Nalco Chemical Co. Hydroxybenzaldehyde-aliphatic aldehyde-polyamine polycondensates. 3,351,662, 11–7–67, Cl. 260—566.

Champ, Antony E., and H. W. Steinmann, to Celanese Corp. Polyamides stabilized with iodine and/or bromine substituted phenols. 3,341,492, 9–12–67, Cl. 260—45.95.

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Dumpis, Janis. 3.305,617.
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Champagne, Emory C., and T. J. McQuire, to The Berger Bros. Co. Surgical girdle and panty. 3,314,433, 4–18–67, Cl. 128—520.

Champagne, Emory C., and T. J. McGuire, to The Berger Bros. Co. Slip having biased front panel. 3,323,139, 6–6–67, Cl. 2—211.

Champagne, Leonard. Drain pipe connection. 3,356,225, 12–5–67, Cl. 210—448.

Champel, Gerard F. M. Apparatus for controlling the temperature of a fluid medium. 3,305,175, 2–21–67, Cl. 236—68.

Champion, Alfred. Pipe joints and swaging tools therefor. 3,357,725, 12–12–67, Cl. 285—353.

Champion, Clarence M., and M. A. Ordelheide. Ink separator. 3,319,563, 5–16–67, Cl. 101—207.

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Champion Papers Inc. : *See*—
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Champion, Richard H., to General Motors Corp. Folding closure for convertible top storage compartment. 3,338,624, 8–29–67, Cl. 296—136.

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Champlin, Carlin S., to Brockway Glass Co., Inc. Infra-red heat control for glass-forming molds. 3,332,765, 7–25–67, Cl. 65—162.

Champlin, Charles L., to Packaging Corp. of America. Box construction. 3,355,089, 11–28–67, Cl. 229—51.

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Charrault, Jean-Claude, P. Cogez, and L. Guiducci, to European Atomic Energy Community-Euratom. Tightness joint for shaft with liquid sealing medium solidifying at ambient temperature. 3,331,608, 7–18–67, Cl. 277—16.
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Chase, Robert E., to Allied Chemical Corp. Spinnerette cleaning device. 3,341,945, 9–19–67, Cl. 30—169.
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Chase, Theodore O. Propeller, rudder and wheel assembly for boats. 3,306,249, 2–28–67, Cl. 115—1.
Chase, Vance A., and S. A. Miller, to Brunswick Corp. Composition comprising the reaction product of dicyclopentadiene with another epoxy compound, a polycarboxylic acid anhydride, and a polyol. 3,296,332, 1–3–67, Cl. 260—835.
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Kumins, Charles A., Chase, Fine, and Messmer. 3,322,562.
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Chasem, Theodore W., to Koppers Co., Inc. Shaft coupling. 3,357,208, 12–12–67, Cl. 64—9.
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Chassanoff, Arnold L., and B. B. Daien, to Automatic Switch Co. Voltage sensing relay system. 3,296,498, 1–3–67, Cl. 317—148.5.
Chassevent, Louis E., and N. Gouloumes, to Lambert Freres & Cie. Method and apparatus for calcining gypsum in two stages. 3,312,455, 4–4–67, Cl. 263—32.
Chastain, Ray S. Chock assembly for tandem wheels. 3,318,419, 5–9–67, Cl. 188—32.
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Chauprade, Robert, to La Materiel Electrique S.W. Controlled rectifier conduction control arrangement. 3,343,005, 9–19–67, Cl. 307—88.5.

Chaussadas, Jean, to The Mead Corp. Article carrier. 3,300,-119, 1–24–67, Cl. 229—52.

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Chauvin, Bernard, to Westinghouse Electric Corp. Automatic foil shredding, weight-controlling and filling of photoflash lamps. 3,336,646, 8–22–67, Cl. 29—25.11.

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Childress, Albert F. Sound suppressor with baffle grids arranged across fluid stream passageway. 3,347,338, 10–17–67, Cl. 181—56.
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Chiusoli, Gian P., and G. Mondelli, to Montecatini Societa Generale per l'Industries Mineraria e Chimica. Process for preparing the iron salt of cobalt hydrocarbonyl and cobalt hydrocarbonyl. 3,340,021, 9–5–67, Cl. 23—360.
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Chloupek, LeRoy A., and K. Sekmakas, to DeSoto Chemical Coatings, Inc. Solvent-soluble, heat-hardening, non-gelled resin comprising acrylamide-containing interpolymers carrying a reactive hydroxy group condensed with hydroxy-terminated polysiloxane. 3,318,971, 5–9–67, Cl. 260—826.
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Chlystun, Walter K. Container with pouring spout. 3,298,577. 1–17–67, Cl. 222—529.
Chmela, John F., to Anfinsen Plastic Molding, Inc. Pouring spout. 3,300,106, 1–24–67, Cl. 222—517.
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Cholet, Jacques, and J.-P Fail, to Institut Francais du Petrole des Carburants et Lubrifiants. Apparatus for firing explosive charges under water. 3,360,070, 12-26-67, Cl. 181—.5.
Cholin, Roger R. Internal cable discharge device. 3,316,974, 5-2-67, Cl. 169—26.
Chombard, Pierre A., to Societe Francaise d'Equipments pour la Navigation Aerienne. Erectors of vertical gyroscopes. 3,357,263, 12-12-67, Cl. 74—5.44.
Chombard, Pierre A., to Societe Francaise d'Equipements pour la Navigation Aerienne. Device for reducing the action of unstable pendulum erectors on vertical gyroscopes. 3,358,515, 12-19-67, Cl. 74—5.44.
Chomel, Marc L., and M. A. Tiano, to Rhone-Poulenc S.A. Closure devices for tanks or like containers for liquid. 3,308,987, 3-14-67, Cl. 220—57.
Choo, Chai Y., to Halcon International, Inc. Ketoxime production. 3,312,612, 4-4-67, Cl. 204—162.
Chope, Henry R., to Industrial Nucleonics Corp. Position indicating apparatus. 3,358,279, 12-12-67, Cl. 340—347.
Chope, Henry R., to Industrial Nucleonics Corp. Method and apparatus for detecting and identifying remote objects. 3,358,602, 12-19-67, Cl. 102—38.
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Chorkey, William J. Check valve. 3,298,394, 1-17-67, Cl. 137—525.
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Chumakov, Walter V., to I-T-E Circuit Breaker Co. Cascaded voltage balancing circuit. 3,334,289, 8–1–67, Cl. 321—11.

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Chupp, John P., to Monsanto Co. Alkylphosphonothioates. 3,326,749, 6–20–67, Cl. 167—30.
Chupp, John P., and J. D. Early, to Monsanto Co. Method of destroying gastropods. 3,305,440, 2–21–67, Cl. 167—30.
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Church, George A. Toothbrush and dentifrice holder. 3,319,-833, 5–16–67, Cl. 222—93.
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Church, Peter K., to Kaman Aircraft Corp. Variable impedance displacement transducer. 3,336,525, 8–15–67, Cl. 323—75.
Church, Richard O., and W. J. Davis. Self-pressurizing container with valve. 3,339,809, 9–5–67, Cl. 222—215.
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Churchill, Alan W., to Automatic Switch Co. Valve and actuator therefor. 3,303,854, 2–14–67, Cl. 137—625.65.
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Churla, John J., Jr., to Kent Mfg. Corp. Plug and receptacle connector. 3,337,836, 8–22–67, Cl. 339—49.
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Chuy, Ruth G. Flash card game with adjustable mirror. 3,339,-296, 9–5–67, Cl. 35—31.
Chvatal, Theodor, to Dr. W. H. Kreidl. Binding agent for refractories and its manufacture. 3,329,516, 7–4–67, Cl. 106—66.
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Ciancitto, Antonino. Rocket engine with consumable casing. 3,308,624, 3–14–67, Cl. 60—224.
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Bencze, William L. 3,304,308.
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Blatter, Herbert M. 3,301,855.
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Daeniker, Hans U. 3,351,529.
De Stevens, George. 3,300,505.
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Groh-Molnar, Margit. 3,332,777.
Hotko, Edward A. 3,340,152.
Hotko, Edward A., and Lachman. 3,325,365.
Huebner, Charles F. 3,340,292.
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Huebner, Charles F. 3,354,200.
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Jeger, Oskar, and Schaffner. 3,336,336.
Jenny, Walter, and Hari, Staeuble, and Weber. 3,300,491.
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Loeffel, Hansrolf. 3,331,832.
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Marxer, Adrian. 3,351,628.
Marxer, Adrian, Thomas, and Ilvespaa. 3,340,301.
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Prelog, Vladimir. 3,326,885.
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Riat, Henri, and Seitz. 3,316,239.
Riat, Henri, and Seitz. 3,326,887.
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Schmidt, Paul, Rossi, Eichenberger, and Wilhelm. 3,318,882.
Schmidt, Paul, Wilhelm, and Eichenberger. 3,298,914.
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Staehelin, Alexander, Schenker, and Pietro. 3,340,263.
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Ulshafer, Paul R., and Taylor. 3,318,877.
Urech, Jakob, Fechtig, Bosshardt, Bickel, Schenker, and Wilhelm. 3,355,452.
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Walker, Gordon N. 3,332,953.
Walker, Gordon N. 3,340,149.
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Weber, Kurt. 3,300,509.
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Anderau, Walter. 3,304,181.
Anderau, Walter. 3,322,543.
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Anner, Georg, and Wieland. 3,359,261.
Artz, Klaus, and Rhyner. 3,297,744.
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Barnes, James K., and Upton. 3,304,822.
Batzer, Hans, Nikles, Ernst, and Porret. 3,318,822.
Bencze, William L., and Walker. 3,337,565.
Bencze, William L., and Walker. 3,337,568.
Bickel, Hanz, Furesz, Gallo, Kradolfer, Kump, and Sensi. 3,338,888.
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Cameron, Grant M. and Duke. 3,352,810.
Carney, Richard W. J., Blatter, and De Stevens. 3,322,-759.
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Duerr, Dieter, Aebi, and Ebner. 3,345,257.
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Menzi, Ulrich, and Grigereit. 3,352,554.
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Moergeli, Eduard. 3,340,261.
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Mueller, Johannes. 3,337,561.
Neuenschwander, Ernst, Schuett, and Scheller. 3,340,020.
Olaj, Oskar, Berger, Maeder, and Schaefer. 3,326,628.
Preininger, Erich, and Ott. 3,351,610.
Ramanathan, Visvanathan. 3,329,692.
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Siegrist, Adolf E., Maeder, Liechti, and Guglielmetti. 3,351,591.
Siegrist, Adolf E., Maeder, Liechti, and Guglielmetti. 3,351,592.
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Cible, Pierre. Automatic regulator of the inclination of vehicle headlamps as a function of the load on the vehicle. 3,328,-571, 6-27-67, Cl. 240—7.1.

Ciborowski, Stanislaw M., and K. Z. Balcerzak, to Instytut Chemii Ogolnej. Distillation process for recovery of oxidation product of cyclohexane. 3,349,007, 10-24-67, Cl. 203—26.

Cicchelli, Cosimo D., to Felker Mfg. Co. Method for making abrasive segments for saws. 3,298,806, 1-17-67, Cl. 51—293.

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Ciceri, Luigi, F. Farioli, and E. Luzzatto, to Snia Viscosa Società Nazionale Industria Applicazioni Viscosa S.p.A. Polymeric compositions stable to light and process for their preparation. 3,330,802, 7-11-67, Cl. 260—45.75.

Cichetti, Thomas H. Traction assistance device. 3,356,171, 12-5-67, Cl. 180—15.

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Cielaszyk, Edward, to General Time Corp. Timed actuating device for aerosol dispenser. 3,318,159, 5-9-67, Cl. 74—3.52.

Cielo, John R., to International Business Machines Corp. Power inverter utilizing controlled resonant commutation. 3,341,767, 9-12-67, Cl. 321—45.

Cielo, John R., to International Business Machines Corp. Split primary inverter. 3,348,124, 10-17-67, Cl. 321—45.

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Ciganek, Engelbert, and J. R. Roland, to E. I. du Pont de Nemours and Co. Process for preparing dicyanoacetylene. 3,322,816, 5-30-67, Cl. 260—465.8.

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Cignarella, Giorgio, and E. Testa, to Lepetit S.p.A. Substituted piperazines and process for preparing same. 3,318,-876, 5-9-67, Cl. 260—240.

Cignarella, Giorgio, E. Testa, and G. Maffii, to Lepetit S.p.A. 3,8-diazabicyclooctane derivatives of phenothiazines. 3,337,-544, 8-22-67, Cl. 260—243.

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Cilyo, Frank F., to United States Steel Corp. Coating thickness measuring apparatus wherein a scanning electron beam produces characteristic X-rays detected by plural detectors. 3,333,100, 7-25-67, Cl. 250—83.3.

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Cimerol, Joseph J., W. M. Clarke, and W. I. Denton, to Olin Mathieson Chemical Corp. Process of preparing aromatic polyamines by catalytic hydrogenation of aromatic polynitro compounds. 3,356,728, 12-5-67, Cl. 260—580.

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Cimler, Emil, R. Hippeli, and E. H. Van Baush, to Hydrocarbon Research, Inc. Heat exchange of crude oxygen and expanded high pressure nitrogen. 3,340,697, 9–12–67, Cl. 62—13.
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Keeleric, George F. 3,324,022.
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Cislak, Francis E., and C. K. McGill, to Reilly Tar & Chemical Corp. N-hydroxyalkyl-piperidine carboxylic acids. 3,317,546, 5–2–67, Cl. 260—294.
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Clark, Alfred, B. H. Ashe, Jr., and J. N. Finch, to Phillips Petroleum Co. Isomerization of non-terminal olefins. 3,313,858, 4–11–67, Cl. 260—666.
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Clark, Angus G. M. Fastening means. 3,326,588, 6–20–67, Cl. 292—251.5.
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Clark, Charles C., and A. J. Krawczyk, to Textron Inc. Water-dispersible coating compositions and phenolic wood bases coated therewith. 3,333,978, 8–1–67, Cl. 106—264.

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Clark, Harold A., and E. P. Plueddermann, to Dow Corning Corp. Acryloxyalkylsilane compositions and the fabrication of structures therewith. 3,317,369, 5–2–67, Cl. 161—193.
Clark, Harold A., and L. A. Haluska, to Dow Corning Corp. Hydroxyorganosiloxanes and copolymers. 3,317,460, 5–2–67, Cl. 260—46.5.
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Clark, Harold E., to Xerox Corp. Xerographic coding and information storage on a specular business machine card. 3,343,142, 9–19–67, Cl. 340—173.
Clark, Harold E., R. W. Gundlach, and L. E. Walkup, to Xerox Corp. Forming of printing plates. 3,315,602, 4–25–67, Cl. 101—401.1.
Clark, Harold E., and R. F. Wolf, to General Motors Corp. Signal pickoff and torque generator. 3,327,541, 6–27–67, Cl. 74—5.46.
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Clark, Hudson P., to Phillips Petroleum Co. Disposable container. 3,343,579, 9–26–67, Cl. 150—8.
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Clark, James E., and I. M. Ross, to Bell Telephone Laboratories, Inc. Encapsulations and methods and apparatus for making encapsulations. 3,340,348, 9–5–67, Cl. 174—52.

Clark, James L., to Plastronics, Inc. Method for making a sealed connection between a tube and a container. 3,322,590, 5–30–67, Cl. 156—273.

Clark, James L., to Plastronics, Inc. Valve for controlling flow through a flexible tube. 3,329,389, 7–4–67, Cl. 251—4.

Clark, James P., to General Motors Corp. Internal combustion engine cold-start systems. 3,338,226, 8–29–67, Cl. 123—179.

Clark, James T., to Clark-Feather Mfg. Co. Tool for installing split valve spring retainers on valve stems. 3,316,623, 5–2–67, Cl. 29—249.

Clark, James T., to Clark-Feather Mfg. Co. Cylinder honing tools. 3,324,606, 6–13–67, Cl. 51—346.

Clark, Jared W.: *See*—
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Clark, Jared W., to Union Carbide Corp. Catalyst composition consisting of the oxides of cobalt, iron and rare earth. 3,322,692, 5–30–67, Cl. 252—462.

Clark, Jerome. Chinrest. 3,358,544, 12–19–67, Cl. 84—279.

Clark, Jesse K., and J. A. Draghi, to M. H. Rhodes, Inc. Presettable timer. 3,358,092, 12–12–67, Cl. 200—38.

Clark, John. Sequence timing device. 3,359,381, 12–19–67, Cl. 200—38.

Clark, John B. and H.; said J. B. Clark, assor. to said H. Clark. Odor inhibiting composition. 3,352,792, 11–14–67, Cl. 252—193.

Clark, John I., to Sperry Rand Corp. Lockdown key mechanism. 3,359,397, 12–19–67, Cl. 200—169.

Clark, John M., to Intertherm Ltd. High-frequency heating apparatus. 3,329,797, 7–4–67, Cl. 219—10.81.

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Clark, Joseph A., Sr. Means for regulating the height of fuel mounds within a furnace. 3,298,338, 1–17–67, Cl. 110—101.

Clark, Joseph C. Selective controller for hydraulic actuators. 3,337,071, 8–22–67, Cl. 214—146.5.

Clark, Joseph R. Purification of water supplies and aqueous wastes. 3,338,828, 8–29–67, Cl. 210—52.

Clark, Joseph W., 25% to W. E. Horrocks. Bead breaking tool. 3,332,467, 7–25–67, Cl. 157—1.17.

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Clark, Kendall, E. J. Creighton, J. G. Drop, and G. R. Santillo, Jr., to International Business Machines Corp. Chip orientation sensor. 3,339,704, 9–5–67, Cl. 198—33.

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Clark, Melville A. J., to Union Carbide Corp. Polyolefin adhesion. 3,359,154, 12–19–67, Cl. 161—235.

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Clark, Milton B., and W. G. Darland, Jr., to Union Carbide Corp. Method of making fuel cell electrodes. 3,347,668, 10–17–67, Cl. 75—201.

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Clark, Robert A., Jr. Timer units for plural zone, pre-pay telephone stations. 3,329,779, 7–4–67, Cl. 200—37.

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Clarke, Eugene S., H. L. Elwell, R. P. Hatch, Jr., and S. P. Lotarski, to United Shoe Machinery Corp. Needle guides. 3,339,510, 9–5–67, Cl. 112—227.
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Clifton Yarn Mills, Inc.: *See*—
Susskind, John W. and W. B. 3,308,615.
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Cline, Charles D., and B. A. Vance, to Newman Dukes & Cline, Inc. Weight securing means on a bar bell assembly. 3,305,-234, 2–21–67, Cl. 272—84.
Cline, Edward T., to E. I. du Pont de Nemours and Co. Oxyluminescent compositions containing dehydrating agents. 3,311,564, 3–28–67, Cl. 252—188.3.
Cline, Edward T., to E. I. du Pont de Nemours and Co. Oxyluminescent light sources and processes of making same. 3,350,553, 10–31–67, Cl. 240—2.25.
Cline, Edward T., to E. I. du Pont de Nemours and Co. Oxyluminescent panel. 3,360,426, 12–26–67, Cl. 161—196.
Cline, Eugene W. Drag saw. 3,301,285, 1–31–67, Cl. 144—34.
Cline, Oliver I., Jr., to Celanese Coatings Co. Acrylamide modified oils. 3,345,312, 10–3–67, Cl. 260—21.
Cline, Robert W., to Goshen Rubber Co., Inc. Apparatus for making a grooved ring seal. 3,335,624, 8–15–67, Cl. 82—2.
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Tuggle, Lloyd H. 3,345,045.
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Clinton, James R. Apparatus for sensing variations in light reflectivity of a moving surface. 3,313,945, 4–11–67, Cl. 250—236.
Clinton, Raymond O., to Sterling Drug Inc. Steroido[20, 21-c]pyrazoles and intermediates. 3,317,520, 5–2–67, Cl. 260—239.5.
Clinton, Raymond O., and A. J. Manson, to Sterling Drug Inc. 2-cyano steroids. 3,296,255, 1–3–67, Cl. 260—239.55.
Clinton, Raymond O., and A. J. Manson, to Sterling Drug Inc. Steroido[21,20-d]isoxazoles. 3,313,809, 4–11–67, Cl. 260—239.55.
Clinton, Sam D.: *See*—
Haas, Paul A., and Clinton. 3,331,898.
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Geltner, Edward B. 3,315,057.
Clinton, William D., D. R. Forry, J. J. Grimm, and R. W. Jones, to American Library Association. Apparatus for producing labels. 3,295,654, 1–3–67, Cl. 197—133.
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Clites, Philip G., to United States of America, Atomic Energy Commission. Method and apparatus for melting metals by induction heating. 3,352,991, 11–14–67, Cl. 219—10.79.
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Clock, Gerald E.: *See*—
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Clock, Gerald E., J. E. Rieke, and E. Stroiwas, to Dow Chemical Co. Electroluminescent structure with improved protective transparent film. 3,305,745, 2–21–67, Cl. 313—108.
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Gossling, Robert C., and Wilcoxon. 3,299,944.
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Cloppet, Raymond, to Societe d'Electro-Chimie, d'Electrometallurgie et des Acieries Electriques d'Ugine. Process for the production of molybdenum dioxide. 3,336,100, 8–15–67, Cl. 23—21.
Clopton, James W. Ski pants hanger. 3,346,150, 10–10–67, Cl. 223—95.
Cloran, Thomas S., to Crucible Steel Co. of America. Method for producing alloy-steel articles. 3,341,325, 9–12–67, Cl. 75—225.

Cloran, Thomas S., and V. R. Thompson, to Crucible Steel Co. of America. Method for producing compacted articles having large length to diameter ratios. 3,340,055, 9–5–67, Cl. 75—214.
Cloran, Thomas S., and V. R. Thompson, to Crucible Steel Co. of America. Method for compacting powdered metals. 3,340,056, 9–5–67, Cl. 75—214.
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Close, George M. Portable paint booth. 3,315,639, 4–25–67, Cl. 118—642.
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Allen, Terry S., Close, Lidia, and Sirrine. 3,301,074.
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Closmann, Philip J., to Shell Oil Co. Thermoaugmentation of oil-producing reservoirs. 3,358,762, 12–19–67, Cl. 166—40.
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Closson, Rex D., K. G. Ihrman, and A. H. Filbey, to Ethyl Corp. Promoted catalytic carbonylation of allylic halides. 3,338,961, 8–29–67, Cl. 260—544.
Clothier, Louis T. Baby washing and sanitary fixture. 3,302,215, 2–7–67, Cl. 4—7.
Cloud, Charles E., J. R. George, and L. N. Krohn, to Cloud Machine Corp. Method and apparatus for packaging. 3,344,576, 10–3–67, Cl. 53—28.
Cloud, Charles E., and L. N. Krohn, to Cloud Machine Corp. Apparatus for changing the size of plastic film cupping die of packaging machine. 3,353,218, 11–21–67, Cl. 18—35.
Cloud, Charles E., and R. G. King, to Cloud Machine Corp. Method of and apparatus for packaging elongated articles such as nipples. 3,353,329, 11–21–67, Cl. 53—30.
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Cloud, Harley A., to International Business Machines Corp. Transfluxor memory employing common read-write circuits. 3,328,785, 6–27–67, Cl. 340—174.
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Cloud, William S., Jr. Manufacture of plastic packages. 3,304,843, 2–21–67, Cl. 93—8.
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Clough, George F. G., and W. J. Wiltshier, to Simon-Carves Ltd. Aeration. 3,329,407, 7–4–67, Cl. 259—8.
Clough, Philip J., and R. W. Steeves, to National Research Corp. Radar countermeasure article. 3,300,781, 1–24–67, Cl. 343—18.
Clough, Philip J., and P. Fowler, to National Research Corp. Process for vacuum depositing high purity superconductible niobium films without the use of high vacuum. 3,338,744, 8–29–67, Cl. 117—227.
Clough, Thomas J., and D. W. Young, to Sinclair Research, Inc. Copolymer of butadiene and normal alpha-olefins. 3,344,204, 9–26–67, Cl. 260—680.
Clougherty, Leo B., J. Keramedjian, and J. Nickrand, to Chrysler Corp. Butadiene-acrylonitrile polymer-water soluble phenolformaldehyde resin-water insoluble phenolformaldehyde resin-water based adhesive. 3,326,825, 6–20–67, Cl. 260—14.
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Clouthier, Robert G. File for removably supporting a plurality of reeled tapes. 3,323,847, 6–6–67, Cl. 312—20.
Cloutier, Adelbert P. Bedstead fastening. 3,305,8880, 2–28–67, Cl. 5—298.
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Cloutier, Charles C. Pressure stabilizing air volume control system. 3,339,513, 9–5–67, Cl. 114—50.
Clowers, Richard W. Crawler-track automotive vehicle. 3,333,651, 8–1–67, Cl. 180—9.22.
Clowes, Maxwell B., J. R. Parks, and D. O. Clayden, to National Research Development Corp. Character recognition systems and apparatus. 3,308,430, 3–7–67, Cl. 340—146.3.
Cloyd, Harold S., to Nosco Plastics, Inc. 3,297,190, 1–10–67, Cl. 220—21.
Cloyd, Harold S., to Nosco Plastics, Inc. Bottle case. 3,314,568, 4–18–67, Cl. 220—21.
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Cloyd, Harold S., R. M. Dudley, R. T. Mangold, and R. W. Welch, to Nasco Plastics, Inc. Container. 3,307,739, 3–7–67, Cl. 220—97.
Cloyd, Harold S., and R. T. Mangold, to Nosco Plastics, Inc. Hypodermic syringe. 3,330,004, 7–11–67, Cl. 18—36.
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Clyne, Robert W. Product handling apparatus. 3,303,920, 2–14–67, Cl. 198—154.
Clynes, Manfred E., to Air-Shields, Inc. Ultrasonic cardiac volume measurements. 3,310,049, 3–21–67, Cl. 128—2.05.
Clynes, Manfred E., to Air-Shields, Inc. Ultrasonic diagnostic instrument having improved resolution and sensitivity. 3,323,512, 6–6–67, Cl. 128—2.
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Coaker, Antony W. M., O. P. Cohen, and J. W. Ryan, to Monsanto Co. Blends of (1) graft copolymer of vinyl chloride onto chlorinated polyolefin, (2) diene-nitrile rubber and (3) ethylene-vinyl acetate copolymer. 3,297,792, 1–10–67, Cl. 260—876.
Coaker, Antony W. M., O. P. Cohen, and J. W. Ryan, to Monsanto Co. Polymeric blends containing a graft copolymer of vinyl chloride onto chlorinated or chlorosulfonated polyolefin. 3,322,857, 5–30–67, Cl. 260—876.
Coaker, Antony W. M., and O. P. Cohen, to Monsanto Co. Multicomponent blends containing graft copolymer of vinyl chloride onto ethylene-vinyl acetate copolymer. 3,322,858, 5–30–67, Cl. 260—876.
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Coau, Robert L. Process of adhering stainless steel to aluminum and products produced thereby. 3,295,198, 1–3–67, Cl. 29—527.
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Coanda, George, to Pharmaseal Laboratories. Hypodermic syringe. 3,354,882, 11–28–67, Cl. 128—218.
Coanda, George, and R. A. Ekbom, to Pharmaseal Laboratories. Tubing clamp. 3,357,674, 12–12–67, Cl. 251—7.
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Coates, Clarence J., Jr., and P. M. Lewis II, to General Electric Co. Accumulator. 3,300,628, 1–24–67, Cl. 238—173.
Coates, Harold, and P. A. T. Hoye, to Albright & Wilson (Mfg.) Ltd. Production of organotin-phosphorus compounds. 3,308,142, 3–7–67, Cl. 260—429.7.
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Cobaugh, Robert F., D. H. May, and G. T. Ritter, Jr., to AMP Inc. Dies for applying insulation to an electrical connector. 3,345,692, 10–10–67, Cl. 18—36.
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Cobb, Phara L., Jr., and J. B. Stevens, to Eastman Kodak Co. Apparatus for forming rods from continuous filament tow. 3,297,512, 1–10–67, Cl. 156—433.
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Coberly, Clarence J., to Kobe, Inc. Multiple zone well completion with separate inlet tubings and a common production tubing. 3,326,290, 6–20–67, Cl. 166—68.
Coberly, Clarence J., C. J. Coberly, Jr., and R. G. Ralph, to Kobe, Inc. Apparatus for running equipment into and out of offshore well completions. 3,307,631, 3–7–67, Cl. 166—75.
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Newman, Herman, and Coby. 3,299,553.
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Cocco, Eugene R., and V. S. Martin, to Bell Telephone Laboratories, Inc. Rotating electrical connector for armored cord. 3,321,728, 5–23–67, Cl. 339—8.
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Cochardt, Alexander. Dynamoelectric machine. 3,296,471, 1–3–67, Cl. 310—154.
Cochardt, Alexander, to Westinghouse Electric Corp. Two phase ferrite magnet composition and method for preparing same. 3,337,461, 8–22–67, Cl. 252—62.58.
Cochardt, Alexander W., to Westinghouse Electric Corp. Ferrite magnets. Re. 26,153, 1–31–67, Cl. 252—62.5.
Cochin, Solomon. Bottle cap. 3,349,935, 10–31–67, Cl. 215—9.
Cochin, Solomon. Captive closure for a container. 3,352,445, 11–14–67, Cl. 220—30.5.
Cochran, Aldrich B., to Joe Paoli. Door knob shield and lock. 3,343,387, 9–26–67, Cl. 70—424.

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Cochran, Chudleigh B., to Brown Oil Tools, Inc. Well packer. 3,331,440, 7–18–67, Cl. 166—120.
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Cochran, John T., to General Electric Co. Pressure recovery axial flow vapor-liquid separator. 3,329,130, 7–4–67, Cl. 122—34.
Cochran, Larry A., and J. A. Konkel, to Radio Corporation of America. Color demodulators. 3,351,709, 11–7–67, Cl. 178—5.4.
Cochran, Steven M. Sail construction. 3,298,346, 1–17–67, Cl. 114—103.
Cochran, Thomas J., N. J. Donato, D. K. Elrick, and W. W. Ficker, to International Business Machines Corp. Automatic tray handler. 3,308,977, 3–14–67, Cl. 214—301.
Cochran, Waldo W. Portable automatic feed bin. 3,315,641, 4–25–67, Cl. 119—53.
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Cocito, Joe M. Vacuum board valves. 3,307,817, 3–7–67, Cl. 248—362.
Cocito, Joe M. Vacuum board manifold. 3,307,818, 3–7–67, Cl. 248—362.
Cocito, Joe M. Disc valve for vacuum board. 3,307,819, 3–7–67, Cl. 248—363.
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Cockerell, Christopher S., to Hovercraft Development Ltd. Air cushion vehicles having attitude-correcting skirts. 3,297,102, 1–10–67, Cl. 180—7.
Cockerell, Christopher S., to Hovercraft Development Ltd. Flexible skirt deflecting means for ground effect vehicles. 3,318,405, 5–9–67, Cl. 180—7.
Cockerell, Christopher S., to Hovercraft Development Ltd. Gas-cushion vehicles. 3,321,037, 5–23–67, Cl. 180—7.
Cockerell, Christopher S., to Hovercraft Development Ltd. Vehicles operable over water. 3,334,609, 8–8–67, Cl. 115—67.
Cockerham, Lloyd E., and R. F. Purcell, to Commercial Solvents Corp. Ethyl cellulose compositions. 3,348,958, 10–24–67, Cl. 106—176.
Cockerham, Robert G., to The Gas Council. Process and apparatus for the gasification of ash-containing fuel. 3,322,-521, 5–30–67, Cl. 48—63.
Cockerham, Robert G., to The Gas Council. Hydrogenation and absorption for the removal of sulfur compounds. 3,331,-770, 7–18–67, Cl. 208—212.
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Cockrell, William D., to General Electric Co. Control means for sequencing a plurality of glass scoring means. 3,343,436. 9–26–67, Cl. 83—11.
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Codina, Jorge G. Automatic electronic microgram scale. 3,351,-146, 11–7–67, Cl. 177—210.
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Coe, David G., and D. B. Pattison, to E. I. du Pont de Nemours and Co. Process for preparing fluorinated dioxolanes. 3,324,-144, 6–6–67, Cl. 260—340.9.
Coe, David G., and E. J. Bennett, to E. I. du Pont de Nemours and Co. Trichlorotrifluoroethane hexafluoropropanol composition. 3,330,776, 7–11–67, Cl. 252—364.
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Cofer, Daniel B., D. D. Proctor, and G. C. Ward, to Southwire Co. Thermal barrier for casting metals. 3,322,184, 5–30–67, Cl. 164—72.
Cofer, Daniel B., D. D. Proctor, G. C. Ward, and T. L. Bray, to Southwire Co. Metering device for controlling molten metal flow. 3,331,539, 7–18–67, Cl. 222—504.
Cofer, Daniel B., D. D. Proctor, and G. C. Ward, to Southwire Co. Casting wheel cooling method. 3,333,624, 8–1–67, Cl. 164—87.

Cofer, Daniel B., and T. L. Bray, to Southwire Co. Casting wheel with band positioning means. 3,336,972, 8–22–67, Cl. 164—278.
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Coffey, Francis T., Sr. Marble catapult and game board construction. 3,300,215, 1–24–67, Cl. 273—101.
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Cogswell, George W., and L. P. Hayes, to A. E. Staley Mfg. Co. Non-woven fabric prepared with methylol amides of and adduct formed between a maleyl compound and ethylenically unsaturated aliphatic compound. 3,345,207, 10–3–67, Cl. 117—140.
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Cohen, Abraham B., and J. A. Sincius, to E. I. du Pont de Nemours and Co. Silver image transfer polymerization process. 3,345,164, 10–3–67, Cl. 96—28.
Cohen, Albert M., and A. I. Lichtenstein, to Philtex Mfg. Co. Swim garment with built-in control support. 3,333,589, 8–1–67, Cl. 128—519.
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Cohen, David A. Ceiling attachment for lighting fixtures. 3,302,918, 2–7–67, Cl. 248—343.
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Cohen, Donald M., L. J. O'Brien, and R. F. Nordhoff, to United States of America, Army. Seat assembly for balanced pressure reducing valve. 3,358,964, 12–19–67, Cl. 251—324.
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Cohen, Maurice. Garment display rack having hangers pivotally mounted on horizontal axes. 3,295,696, 1–3–67, Cl. 211—171.
Cohen, Maurice. Cabinet assembly for use with display rack. 3,351,401, 11–7–67, Cl. 312—201.
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Cohen, Theodore. Air conditioning system including humidity control sensing means. 3,346,040, 10–10–67, Cl. 165—21.
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Cohn, Eugene, R. A. De Forest, and R. G. Frick, to Secon Metals Corp. Process of producing high temperature resistant insulated wire, such wire and coils made therefrom. 3,352,009, 11–14–67, Cl. 29—605.
Cohn, Irving H., to Simmonds Precision Products, Inc. Current limiter circuit for rebalancing bridge network. 3,335,359, 8–8–67, Cl. 323—9.
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Coker, Cecil H., to Bell Telephone Laboratories, Inc. Speech wave analyzer. 3,327,058, 6–20–67, Cl. 179—1.
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Collins, John W., to Mobil Oil Corp. Electrical corrosion probe having a plurality of test specimen segments. 3,358,229, 12–12–67, Cl. 324—65.

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Collito, Michael B. Surgical methods and devices for anastomosis. 3,316,914, 5–2–67, Cl. 128—334.

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Colombo, Roberto, to Lavorazione Materie Plastiche (L.M.P.) S.p.A. Folding sliding doors. 3,324,930, 6–13–67, Cl. 160—231.

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Colombo, Umberto P., to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process for recovering iron, titanium and aluminum from the red slurries obtained in processing bauxite by the Bayer process. 3,295,924, 1–3–67, Cl. 23—143.

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Ollfisch, Ferdinand, and Reinmold. 3,304,834.
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Compagnie des Ateliers et Forges de la Loire (St. Chamond, Firminy, St. Etienne, Jacob-Holtzer): *See*—
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Lesage, Daniel M. R. 3,329,821.
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Bouvier, Claude J. B. 3,349,376.
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Christol, Guy F. M. 3,345,638.
David, Charles A. M. 3,300,657.
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Patin, Pierre. 3,313,063.
Compagnie du Filage des Metaux et des Joints Curty: *See*—
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Buffet, Jean. 3,335,589.
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Hugot, Andre A. 3,334,283.
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Guyot, Lucien F. 3,353,983.
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Beurtheret, Charles A. E. 3,299,949.
Beurtheret, Charles A. E. 3,306,350.
Billottet, Henri C. 3,343,161.
Deman, Pierre. 3,320,544.
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Nard, Georges, Pagazani, and Palazo. 3,332,077.
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Sarrois, Jean M. 3,307,063.
Touze, Pierre. 3,347,477.
Touze, Pierre. 3,356,133.
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Moricet, Jean-Paul. 3,298,517.
Compagnie Generale d'Electricite: *See*—
Biet, Jean-Pierre. 3,337,750.
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Biet, Jean-Pierre, and Chaupit. 3,355,657.
Crepel, Jean, and Zacar. 3,349,200.
Dierick, Pierre. 3,327,266.
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Vulliermet, Marcel. 3,299,386.
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Massoubre, Jean-Marie. 3,357,470.
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Compton, Homer C., Jr. Paint brush guide. 3,337,894, 8–29–67, Cl. 15—166.
Compton, James A., J. D. Allen, and R. G. Holt, to Fawick Corp. Proportional flow divider combiner. 3,347,254, 10–17–67, Cl. 137—101.
Compton, Robert H., O. F. Hamann, and R. G. Steadman, to Stromberg-Carlson Corp. Cathode ray tube control circuitry utilizing two accelerating windings. 3,340,420, 9–5–67, Cl. 315—14.
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Conard, Robert G., and W. C. McCorkle, Jr., to United States of America, Army. Wind-insensitive missile. 3,305,194, 2–21–67, Cl. 244—3.21.
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Conard, Wendell R., to The Firestone Tire & Rubber Co. Reaction product of an alkylated phenal and phosphate acid process for making same. 3,330,887, 7–11–67, Cl. 260—920.
Conason, Emil G., and O. Neracher, to West Laboratories, Inc. Aldosterone in the treatment of psoriasis. 3,328,254, 6–27–67, Cl. 167—77.
Conaway, Robert W., and J. S. Spindler, to The Goodyear Tire & Rubber Co. Anti-slosh media for fuel tanks. 3,349,953, 10–31–67, Cl. 220—85.
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Condit, Harry G. Portable power saw with safety switch means to preclude operation except when the saw is in engagement with the workpiece. 3,331,408, 7–18–67, Cl. 143—43.
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Condolios, Elie, to Societe Grenobloise d'Etudes et d'Applications Hydrauliques. Process and apparatus for the sorting of two or more materials. 3,295,677, 1–3–67, Cl. 209—136.
Condon, Eugene H., and T. A. Hadley, to Kimberly-Clark Corp. Process of manufacturing a web product using an adhesive plastisol. 3,307,992, 3–7–67, Cl. 156—181.
Condon, Harry F., to Owens-Illinois Glass Co. Pipe coupling for joining pipe sections of varying size. 3,298,698, 1–17–67, Cl. 277—101.
Condon, John R., J. J. Brezinski, and H. M. Rife, to Union Carbide Corp. Aqueous emulsions of vinylacetate-2-ethyl hexyl acrylate-vinyl sulfonic acid terpolymers, and method of preparation. 3,318,830, 5–9–67, Cl. 260—29.6.
Condon, Parrick F., and F. M. Gray, to The English Electric Co. Ltd. Variable Q transducer. 3,316,516, 4–25–67, Cl. 336—132.
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Cone Muffler Development Co., Ltd.: *See*—
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Cone, William H. Combination vehicle motor and electrical power unit. 3,317,765, 5–2–67, Cl. 310—74.
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Cones, Van B., and K. Parker, to United States of America, Navy. Radio frequency interference suppression circuit for frequencies in excess of 100 megacycles. 3,327,132, 6–20–67, Cl. 307—88.5.
Conescu, Sidney. Folding box construction. 3,314,589, 4–18–67, Cl. 229—31.
Conescu, Sidney. Box construction. 3,317,115, 5–2–67, Cl. 229—33.
Coney, Charles H., to Eastman Kodak Co. Multicolor coating process and coated article. 3,355,312, 11–28–67, Cl. 117—41.
Coney, Charles H., and W. E. Draper, to Eastman Kodak Co. Polyvinyl acetate or polyacrylate containing 3-hydroxy-2, 2,4-trimethylpentyl isobutyrate as coalescing agent. 3,312,652, 4–4–67, Cl. 260—29.6.
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Martin, Clyde G. 3,356,070.
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Congelli, Henry C., and G. W. Hays, to American Machine & Foundry Co. Respotting mechanism. 3,315,961, 4–25–67, Cl. 273—43.
Congelli Henry C., and G. W. Hays, to American Machine & Foundry Co. Automated fryer. 3,347,152, 10–17–67, Cl. 99—334.
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Conger, Robert R., Jr., to National Video Corp. Method of controlling cathode formation in TV tube gun. 3,357,766. 12–12–67, Cl. 316—1.
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Jecker, Justin J., and Conger. 3,345,234.
Petry, Robert K. 3,310,422.
Petry, Robert K., and Jecker. 3,339,001.
Powell, William H., and Friedman. 3,359,352.
Congregation of the Sisters of Charity of the Incarnate Word, Inc., The: *See*—
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Conhagen, Alfred. Deep well pump. 3,336,875, 8–22–67, Cl. 103—88.
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Conix, Andre J., to Gevaert Photo-Producten N.V. Production of linear aromatic polyesters. 3,317,464, 5–2–67, Cl. 260—47.
Conix, Andre J., to Gevaert Photo-Producten N.V. Linear aromatic polyesters. 3,351,611, 11–7–67, Cl. 260—47.
Conix, André J., to Gevaert Photo-Producten N.V. Production of linear aromatic polyesters. 3,351,624, 11–7–67, Cl. 260—47.
Conklin, David A., and J. Gillin, to Merck & Co., Inc. Ion exchange process for removing glutamic acid from a fermentation broth. 3,325,539, 6–13–67, Cl. 260—527.
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Conklin, George E., and J. J. Heigl, to Esso Research and Engineering Co. Haze measuring apparatus with solid block with cavity. 3,358,148, 12–12–67, Cl. 250—218.
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Conklin, Robert M., to Brunswick Corp. Ball retarder. 3,304,088, 2–14–67, Cl. 273—47.
Conklin, Robert M., A. M. Rockwood, R. Torresen, A. J. Gretzky, and M. E. Brown, deceased (by B. E. Brown, administrator), to Brunswick Corp. Mechanism for setting bowling pins at selected positions. 3,314,678, 4–18–67, Cl. 273—43.
Conkling, William C., to Wallace & Tierman Inc. Magnetic coupling for a flowmeter. 3,315,523, 4–25–67, Cl. 73—209.
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Sieloff, Kenneth A. 3,330,573.
Conlee, George D., to Lovell Mfg. Co. Wringer. 3,353,382, 11–21–67, Cl. 68—257.
Conley, Austin B., and W. H. Morgan, Jr., to Sylvania Electric Products, Inc. Photographic lamp adapter. 3,309,512, 3–14–67, Cl. 240—1.3.
Conley, Daniel J.: *See*—
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Conlisk, John R., to Atlas Chemical Industries, Inc. Color comparing device. 3,347,132, 10–17–67, Cl. 88—14.
Conlisk, John R., to Atlas Chemical Industries, Inc. Activated carbon compositions. 3,352,788, 11–14–67, Cl. 252—161.
Conlon, Edward R., to Associated Spring Corp. Spring clutch having axial actuator means. 3,302,762, 2–7–67, Cl. 192—81.
Conlon, Edward R., to Associated Spring Corp. Spring clutch. 3,307,668, 3–7–67, Cl. 192—96.
Conlon, Edward R., to Associated Spring Corp. Torque limiting spring clutch. 3,335,835, 8–15–67, Cl. 192—81.
Conlon, Willard S. Revolving table capable of being dismantled. 3,347,369, 10–17–67, Cl. 209—124.
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Connard, John M., to Illinois Tool Works Inc. Method of selectively hardening a corrosion resistant part and the article produced thereby. 3,344,817, 10–3–67, Cl. 148—12.1.
Connell, Clayton C. Above ground terminal tap enclosure for subterranean cables. 3,309,456, 3–14–67, Cl. 174—38.
Connell, Clyde A., to James W. Fair. Seat mounted container. 3,304,143, 2–14–67, Cl. 312—231.
Connell, Clyde A., to James W. Fair. Portable stadium seat. 3,310,341, 3–21–67, Cl. 297—252.
Connell, Richard A., and L. V. Gregor, to International Business Machines Corp. Method for producing organic plasma and for depositing polymer film. 3,297,465, 1–10–67, Cl. 117—38.
Connellan, Thomas K. Plastic container for plants. 3,306,518, 2–28–67, Cl. 229—37.
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Cook, Neal A. Fast precision temperature sensing thermocouple probe. 3,332,285, 7–25–67, Cl. 73—359.
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Cook, Robert W. Folding-shelf. 3,295,471, 1–3–67, Cl. 108—111.
Cook, Shirl E., to Ethyl Corp. Stabilized tetraalkyllead compounds. 3,312,726, 4–4–67, Cl. 260—437.
Cook, Shirl E., and W. H. Thomas, to Ethyl Corp. Stable lead alkyl compositions and a method for preparing the same. 3,340,284, 9–5–67, Cl. 260—437.
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Cook, Thomas L. Vise grip pliers. 3,354,759, 11–28–67, Cl. 81—379.
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Cook, Wendell S., to The Firestone Tire & Rubber Co. 7-nitroso imidozolidine thiones as stabilizers for diene elastomers and their vulcanizates. 3,311,588, 3–28–67, Cl. 260—45.8.
Cook, Wendell S., to The Firestone Tire & Rubber Co. Process for coagulating butadiene polymers in the presence of an imidazolidine-15-thione stabilizer. 3,330,800, 7–11–67, Cl. 260—45.8.
Cook, Wendell S., to The Firestone Tire & Rubber Co. Stabilized cis 1,4 polybutadiene. 3,355,419, 11–28–67, Cl. 260—45.9.
Cook, Wendell S., to The Firestone Tire & Rubber Co. Cis 1,4-polybutadiene stabilized with a combination. 3,355,421, 11–28–67, Cl. 260—45.85.
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Cooke, William E., D. E. Bury, and P. Smits, to Aluminium Laboratories Ltd. Continuous anodizing process and apparatus. 3,359,189, 12–19–67, Cl. 204—28.
Cooke, William E., and N. O. Helwigh, to Aluminium Laboratories Ltd. One-side anodizing of aluminum sheet. 3,359,190, 12–19–67, Cl. 204—28.
Cookerly, Jack C., and G. R. Hall. Electrical instrument in which string serves as its own transducer. 3,297,813, 1–10–67, Cl. 84—1.16.
Cookerly, Jack C., and G. R. Hall. Pressure responsive volume control for electrical instruments. 3,318,991, 5–9–67, Cl. 84—1.1.
Cookerly, Jack C., and G. R. Hall. Electrical stringed instrument. 3,325,579, 6–13–67, Cl. 84—1.16.
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Cookson, William. 3,338,461.
Cookson, William, to Cookson Sheet Metal Developments Ltd. Containers. 3,338,460, 8–29–67, Cl. 220—48.
Cookson, William, to Cookson Sheet Metal Developments Ltd. Containers. 3,338,461, 8–29–67, Cl. 220—48.
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Cooley, Gerald J., J. J. Gehringer, and A. J. Karalis, to United States of America, Atomic Energy Commission. Electrically heated cryogenic liquid vaporizing apparatus. 3,346,718, 10–10–67, Cl. 219—275.
Cooley, Gordon A., and P. Kaye, to The Deniston Co. Nail-feeding mechanism. 3,295,719, 1–3–67, Cl. 221—277.
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Coombs, William F., Jr., and R. J. Meltzer, to Bausch & Lomb Inc. Applanation tonometer. 3,338,090, 8–29–67, Cl. 73—80.
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Cooper, David, E. P. Priebe, and R. A. Zeccola, to General Electric Co. Speed detection and control systems incorporating a DC chopper circuit to provide pulses of a constant energy content. 3,335,349, 8–8–67, Cl. 318—318.

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Cooper, James N., ⅓ to H. Hurvitz. Language teacher. 3,323,230, 6–6–67, Cl. 35—35.

Cooper, James N., ⅓ to H. Hurvitz. Editing system utilizing recirculation means. 3,360,613, 12–26–67, Cl. 179—100.2.

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Cooper, Thomas G., and R. E. Linde, to Crown Zellerbach Corp. Creped sheet materials and the process of producing the same. 3,300,368, 1–24–67, Cl. 161—128.

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Cooper, William T. Sun-Visor attachment. 3,317,225, 5–2–67, Cl. 287—14.

Cooperman, Harris L. Precise positioning device. 3,319,528, 5–16–67, Cl. 90—58.

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Coover, Harry W., Jr., and D. J. Shields, to Eastman Kodak Co. Crystallizable vinylsulfonic ester polymers. 3,312,670, 4–4–67, Cl. 260—79.3.

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Cope, Andrew P., R. Meagher, and D. Zafirogulu, to E. I. du Pont de Nemours and Co. Fowarding jet. 3,302,237, 2–7–67, Cl. 18—1.

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Copeland, Lynn L. Fluid ventilated suit. 3,348,236, 10–24–67, Cl. 2—2.

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Corman, Julian, to Grain Processing Corp. Process of purifying a transglucosidase-and-amyloglucosidase-containing fungal enzyme preparation. 3,335,066, 8–8–67, Cl. 195—31.
Corman, Julian, to Grain Processing Corp. Process of purifying a transglucosidase and glucomylase-containing fungal enzyme preparation. 3,345,268, 10–3–67, Cl. 195—31.

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Cornelius, Edward B., J. E. McEvoy, and G. A. Mills, to Air Products and Chemicals, Inc. Method of making cracking catalyst containing a crystalline alumino-silicate. 3,337,474, 8–22–67, Cl. 252—455.
Cornelius, Edward B., L. A. Cosgrove, and G. A. Mills, to Air Products and Chemicals, Inc. Alumina particles and method of preparation. 3,353,910, 11–21–67, Cl. 23—141.
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Costes, Didier, to Commissariat a l'Energie Atomique. Handling apparatus for nuclear reactor refueling facility. 3,344,033, 9–26–67, Cl. 176—30.

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Coulter, Joseph R., Jr. 3,340,471.
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Coulter, Joseph R., Jr., to Coulter Electronics, Inc. Flow-through sample apparatus for use with electrical particle study device. 3,340,471, 9–5–67, Cl. 324—71.
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Cox, Andrew P., Jr., R. H. Sapp, and J. Abruzzo, to United States of America, Navy. Flexible logic circuits for buffer memory. 3,302,185, 1–31–67, Cl. 340—172.5.
Cox, Arthur S., and F. G. McMullen, to Sui Generis Process, Inc. Waste processing method and apparatus. 3,304,894, 2–21–67, Cl. 110—15.
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Cox, Bradley G., to Baker Perkins Inc. Hydraulic system for reciprocating a rotating shaft. 3,301,138, 1–31–67, Cl. 91—221.
Cox, Bradley G., to Baker Perkins Inc. Mixing machine. 3,348,816, 10–24–67, Cl. 259—41.
Cox, Charles G., and S. Vargyai, to Nordberg Mfg. Co. Engine air-fuel ratio control in response to generator output. 3,303,348, 2–7–67, Cl. 290—40.
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Valdespino, Joe M., and Cox. 3,298,526.
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Cox, Earle F., to Chemetron Corp. Method and apparatus for conditioning welded rail joints. 3,355,991, 12–5–67, Cl. 90—24.
Cox, Elbert L., and N. J. Doctor, to United States of America, Army. Presettable bistable circuits. 3,334,245, 8–1–67, Cl. 307—88.5.
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Cox, Frank T., and W. J. Williams, to Rockwell-Standard Corp. Brake system. 3,322,241, 5–30–67, Cl. 188—170.
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Cox, Fred B., Jr., and P. O. Lindfors, to United States of America, Air Force. Digital data processing apparatus. 3,345,617, 10–3–67, Cl. 340—172.5.
Cox, Harold D., D. S. Hammett, J. R. Dozier, and H. L. Shatto, Jr., to Shell Oil Co. Tension pipe laying method. 3,331,212, 7–18–67, Cl. 61—72.3.
Cox, Harry, A. B. Gosling, and J. A. H. Shiel, to International Computers and Tabulators Ltd. Document feeding apparatus. 3,331,602, 7–18–67, Cl. 271—11.
Cox, Herbert F., Jr., and C. E. Strahl, to Inland Container Corp. Liquid fill apparatus. 3,349,859, 10–31–67, Cl. 177—118.
Cox, Howard D., to Kennecott Copper Corp. Flotation process involving depression of sulfide minerals previously activated. 3,329,266, 7–4–67, Cl. 209—167.
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Cox, Paul R., Jr., and W. E. Lanier, to Monsanto Co. Compositions of vinyl chloride polymers, solvents therefor and N,N-dialkyl fatty acid amides and shaped articles therefrom. 3,318,833, 5–9–67, Cl. 260—30.4.

Cox, Raymond J., E. P. Fowler, and D. Harrison, to United Kingdom Atomic Energy Authority. Neutron flux monitor having means to compare a D.C. signal with an A.C. signal and amplify the difference. 3,330,954, 7–11–67, Cl. 250—83.6.

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Cox, William L., to Universal Oil Products Co. Stabilization of rubber with a mixture of diamines. 3,304,285, 2–14–67, Cl. 260—45.9.

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Coyne, William E., and J. W. Cusic, to G. D. Searle & Co. Dibenzo-azacycloalkane-N-carboxylic acid hydrazides. 3,336,-303, 8–15–67, Cl. 260—239.

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Craft, John L., E. R. Floto, J. W. Newitt, and H. J. Smith, Jr., to International Business Machines Corp. Data storage and retrieval system. 3,344,405, 9–26–67, Cl. 340—172.5.

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Crafts, Harold S., and G. E. Forsen, to Stanford Research Institute. Analog storage system. 3,346,854, 10–10–67, Cl. 340—174.

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Cragoe, Edward J., Jr., to Merck & Co., Inc. Quaternary ammonium salts of [4-(3-amino-alkanoyl)phenoxy]alkanoic acids. 3,322,775, 5–30–67, Cl. 260—294.

Cragoe, Edward J., Jr., to Merck & Co., Inc. Process for converting [4-[2-(organosulfinylmethyl)-alkanoyl]phenoxy] alkanoic acids and [4-[2-(organosulfonylmethyl)alkanoyl] phenoxy]alkanoic acids to their [4-(2-methylenealkanoyl) phenoxy]alkanoic acid derivatives. 3,322,821, 5–30–67, Cl. 260—520.

Cragoe, Edward J., Jr., to Merck & Co., Inc. Acryloylphenols and a method for their preparation. 3,322,832, 5–30–67, Cl. 260—592.

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Cragoe, Edward J., Jr., and J. H. Jones, to Merck & Co., Inc. Derivatives of pyrazine. 3,299,063, 1–17–67, Cl. 260—250.

Cragoe, Edward J., Jr., and J. B. Bicking, to Merck & Co., Inc. 3-aminopyrazinoic acids and process for their preparation. 3,305,552, 2–21–67, Cl. 260—250.

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Craig, Palmer H. Process for reducing the toxicity of poisons. 3,314,851, 4–18–67, Cl. 167—55.
Craig, Paul N., and J. R. E. Hoover, to Smith Kline & French Laboratories. Anthelmintic 2-amidobenzimidazoles. 3,336,-191, 8–15–67, Cl. 167—53.
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Crano, John C., to Pittsburgh Plate Glass Co. Polymerization process utilizing peroxydicarbonate ester and aminoaromatic sulfonic acid salt as catalyst. 3,312,679, 4–4–67, Cl. 260—93.5.
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Cray, Seymour R., and P. A. Kristensen, to Control Data Corp. Coincident current inhibit system. 3,351,923, 11–7–67, Cl. 340—174.
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Creighton, Albert M., Jr., and W. D. Devaney, to Chemical Development Corp. Double-barreled dispensing gun. 3,311,-265, 3–28–67, Cl. 222—137.
Creighton, Albert M., Jr., and W. D. Devaney, to Chemical Development Corp. Disposable cartridge for gun-type dispensers. 3,323,682, 6–6–67, Cl. 222—94.
Creighton, Andrew Malcolm, W. R. Wragg, and D. R. Maxwell, to May & Baker Ltd. N-phenylpiperazine compounds. 3,326,-916, 6–20–67, Cl. 260—268.
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Cremer, Joseph G., to Danfoss A/S. Oil separation arrangement in refrigeration systems. 3,324,680, 6–13–67, Cl. 62—473.
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Miller, Jeanne M., Marcus, and Cretors. 3,346,125.
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Creveling, Robert. Electronic switch with means to halt the flow of electrons to initiate an arc discharge. 3,317,787, 5–2–67, Cl. 315—168.
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Crewe, Albert V., A. Yokosawa, and D. J. De Geeter, to United States of America, Atomic Energy Commission. High-voltage generator. 3,360,663, 12–26–67, Cl. 310—5.
Crews, Clarence M. Memory system and memory switch unit for controlling automotive running lights. 3,337,768, 8–22–67, Cl. 315—82.
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Crow, Robert P., and D. Malkin, to Radio Corp. of America. DME with stepper type servo motor. 3,320,612, 5–16–67, Cl. 343—7.3.
Crow, Robert P., and K. K. Fujimoto, to Radio Corp. of America. DME with ground speed and time-to-station indicator. 3,321,757, 5–23–67, Cl. 343—7.3.
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Crowell, Ernest M., to United Shoe Machinery Corp. Manufacture of strong fibrous material. 3,345,201, 10–3–67, Cl. 117—63.

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Crowell, Merton H., to Bell Telephone Laboratories, Inc. Microwave pulse generator. 3,354,408, 11–21–67, Cl. 331—107.

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Crowley-Milling, Michael C., to Associated Electrical Industries Ltd. Electron accelerator means with means for repeatedly passing the initial electrons through the accelerator. 3,349,335, 10–24–67, Cl. 328—233.

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Crownover, Joseph W., to Control Data Corp. Process of forming a multi-apertured magnetic device. 3,340,605, 9–12–67, Cl. 29—604.

Crownover, Joseph W., to Electro Materials Corp. Composition and method for electroding dielectric ceramics. 3,342,-655, 9–19–67, Cl. 156—89.

Crowson, Albert L., to Commercial Welding Co., Inc. Livestock tipping table. 3,308,790, 3–14–67, Cl. 119—103.

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Crowther, Albert F., and L. H. Smith, to Imperial Chemical Industries, Ltd. 5 - aroxymethyloxazolidines. 3,317,553, 5–2–67, Cl. 260—307.

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Crowther, Gerald O., and G. C. Deli, to North American Philips Co., Inc. Adding and multiplying computer. 3,308,280, 3–7–67, Cl. 235—160.

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Croxall, Willard J., to Miles Laboratories, Inc. N-hydroxyalkyl-N-alkynyl-N-alkyl- and aralkyl amines and process for the preparation thereof. 3,299,141, 1–17–67, Cl. 260—570.9.

Croxen, Donald J. Venetian blind ladder tape. 3,332,471, 7–25–67, Cl. 160—178.

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Crozier, Ronald D., R. E. Harder, J. H. Hood, and R. B. Hurley, to The Dow Chemical Co. Wet spinning of acrylonitrile polymer fibers. 3,346,685, 10–10–67, Cl. 264—182.

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Crumpler, Weymouth B., to United States of America, National Aeronautics and Space Administration. Multilegged support system. 3,345,866, 10–10–67, Cl. 73—147.

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Cruse, Lee H. Compensators for pneumatic-hydraulic systems. 3,306,009, 2–28–67, Cl. 55—201.

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Cruse, Oliver B., to Wagner Electric Corp. Friction device operating mechanism. 3,326,090, 6–20–67, Cl. 92—24.

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Cruse, Philip M., to Santa Barbara Research Center. Infrared detecting system having a memory circuit utilizing a differential amplifier. 3,316,404, 4–25–67, Cl. 250—83.3.

Cruse, William C., to The Akron Products Co. Building structure including threadless tie bolt. 3,325,198, 6–13–67, Cl. 287—189.36.

Crusinberry, William O., to Hunt Electronics Co. Light sensitive power control circuit including diode switch. 3,342,996, 9–19–67, Cl. 250—206.

Crusius, Karl D. Multi-colored drum lighting system. 3,346,732 10–10–67, Cl. 240—3.1.

Cruson, Marion J. Child's rideable tank. 3,347,557, 10–17–67, Cl. 280—1.11.

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Cruthers, Ronald F., to United States of America, Navy. Method of making a potentiometer on a thin film circuitry panel. 3,319,320, 5–16–67, Cl. 29—155.7.

Cruz, Mamerto M., Jr., to FMC Corp. Method of purifying cellulose crystallite aggregates. 3,345,357, 10–3–67, Cl. 260—212.

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Cryderman, Warner L. Drill rod mover. 3,305,151, 2–21–67, Cl. 226—181.

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Cryer, Edward, to Joseph Lucas (Industries) Ltd. Ignition switches. 3,359,383, 12–19–67, Cl. 200—44.

Cryer, John, to The Sherwin-Williams Co. Purification of meta nitro para toluidine. 3,301,904, 1–31–67, Cl. 260—582.

Cryer, John, and P. R. Bobo, Jr., to The Sherwin-Williams Co. Purification of meta nitro para toluidine. 3,301,903, 1–31–67, Cl. 260—582.

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Csicsatka, Antal, to General Electric Co. De-emphasis network arrangement for AM-FM radios. 3,339,025, 8–29–67, Cl. 179—15.

Csicsatka, Antal, to General Electric Co. Sterophonic radio circuit including phasing circuit for providing reconstituted subcarrier signal. 3,346,699, 10–10–67, Cl. 179—15.

Csicsatka, Antal, to General Electric Co. Biasing arrangement for automatic stereophonic radio receiver. 3,355,552, 11–28–67, Cl. 179—15.

Csicsatka, Antal, and R. M. Linz, to General Electric Co. De-emphasis network for FM radios. 3,339,026, 8–29–67, Cl. 179—15.

Csicsatka, Antal, and R. M. Linz, to General Electric Co. Simplified time-sampling stereophonic receiver circuit. 3,351,712, 11–7–67, Cl. 179—15.

Csicsery, Sigmund M., to Chevron Research Co. Dehydrocyclodimerization of low molecular weight paraffins. 3,296,324, 1–3–67, Cl. 260—673.

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Cuddeback, Howard L. Beaded fastener device. 3,302,260, 2–7–67, Cl. 24—243.

Cuddon-Fletcher, Angus H., to Great Grimsby Coal, Salt and Tanning Co. Ltd. Device for measuring contents of liquefied gas containers. 3,319,730, 5–16–67, Cl. 177—233.

Cue, Clara L., and K. T. Walker. Mercury switch in which time delay is obtained by adjustable metering of nonconductive liquid. 3,325,608, 6–13–67, Cl. 200—33.

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White, James E., and Cuff. 3,304,258.

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Cugini, John A., and H. Haagsma, to Draper Corp. Spindle protection device. 3,321,897, 5–30–67, Cl. 57—53.

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Culbertson, George T., to Master Specialties Co. Delayed pull in time delay relay. 3,303,396, 2–7–67, Cl. 317—142.

Culbertson, George T., to Master Specialties Co. Voltage sensor. 3,320,493, 5–16–67, Cl. 317—148.5.
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Culk, Raimund. Refrigerating compressors. 3,309,009, 3–14–67, Cl. 230—58.
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Cull, William. 3,320,829.
Cull, John V. Thirteen traffic connector. 3,315,210, 4–18–67, Cl. 339—32.
Cull, John V. Connector installation tool. 3,317,986, 5–9–67, Cl. 29—203.
Cull, Neville L.: *See*—
Mertzweiller, Joseph K., and Cull. 3,318,972.
Cull, Neville L., to Esso Research and Engineering Co. Colloidal silica containing latices of hydroformylated polymers of conjugated dienes. 3,314,911, 4–18–67, Cl. 260—29.7.
Cull, Neville L., and M. Nadler, to Esso Research and Engineering Co. Reducing acidity of polymer latices. 3,298,846, 1–17–67, Cl. 106—287.
Cull, Neville L., and J. K. Mertzweiller, to Esso Research and Engineering Co. Decobalting hydroxylated polymers with concentrated phosphoric acid. 3,330,875, 7–11–67, Cl. 260—637.
Cull, Neville L., and J. K. Mertzweiller, to Esso Research and Engineering Co. Flexible oxygen containing polybutadiene surface coating composition. 3,337,489, 8–22–67, Cl. 260—30.4.
Cull, Neville L., and L. A. Pine, to Esso Research and Engineering Co. Oxonation of cyclododecatriene to C_{13} alcohol. 3,354,229, 11–21–67, Cl. 260—617.
Cull, William, to Birfield Engineering Ltd. Universal joints. 3,310,960, 3–28–67, Cl. 64—21.
Cull, William, ½ to Cull Development Ltd. Transmission systems. 3,320,829, 5–23–67, Cl. 74—720.5.
Cullen, Charles G.: *See*—
Lister, Fred, Cullen, and Hopper. 3,296,179.
Cullen, Geoffrey W., to The Plessey Co. Ltd. Multi-circuit switch with improved castellated sections. 3,308,249, 3–7–67, Cl. 200—14.
Cullen, James J., to National Lead Co. Ultrasonic testing apparatus for determining the presence or absence of material within a tubular member. 3,308,651, 3–14–67, Cl. 73—67.5.
Cullen, John L.: *See*—
Holt, Gordon J., and Cullen. 3,326,330.
Cullen, Orville, to Midland-Ross Corp. Carburizing method and apparatus. 3,356,451, 12–5–67, Cl. 148—16.5.
Cullen, Roy H.: *See*—
Cullen, Roy H., Elliott, Richards, Burke, and Aker. 3,318,620.
Cullen, Roy H., and C. H. Elliott; said Elliott assor. to said Cullen. Flow line pressure control. 3,306,357, 2–28–67, Cl. 166—63.
Cullen, Roy H., and L. D. Richards; said Richards assor. to said Cullen. Apparatus for handling hose or similar elongate members. 3,317,103, 5–2–67, Cl. 226—173.
Cullen, Roy H., C. H. Elliott, L. D. Richards, W. E. Burke, and J. R. Aker, to Roy H. Cullen. Hose end coupling. 3,318,620, 5–9–67, Cl. 285—149.
Cullen, Roy H., C. H. Elliott, J. R. Aker, and W. E. Burke; said Elliott, Aker, and Burke assors. to said Cullen. Apparatus for handling flexible pipe or similar elongate members. 3,330,459, 7–11–67, Cl. 226—173.
Culler, Glen J., to The Bunker-Ramo Corp. On-line computing system for processing mathematical functions. 3,355,714, 11–28–67, Cl. 340—172.5.
Culley, Theodore P. Adherent cushioning support. 3,311,338, 3–28–67, Cl. 248—205.
Culligan Inc.: *See*—
Dunklin, Edward W. 3,299,617.
Entringer, James S., Marks, and Ritchie. 3,352,419.
Marks, Lawrence P. 3,317,044.
Staats, William A. 3,311,552.
Staats, William A. 3,347,785.
Cullis, John, Jr., to Burroughs Corp. Lenticular optical display device having masking means for eliminating crosstalk. 3,330,614, 7–11–67, Cl. 350—167.
Cullity, Richard E., to W. J. Voit Rubber Corp. Football kicking tee. 3,309,087, 3–14–67, Cl. 273—55.
Cullity, Richard E., to W. J. Voit Rubber Corp. Pressure regulator, mouthpiece, exhaust duct and strap for underwater breathing apparatus. 3,348,540, 10–24–67, Cl. 128—147.
Cully, Donald C.: *See*—
Burkley, Ralph A., Cully, and Folk. 3,300,369.
Culman, William J., to The J. H. Day Co. Sanitary stuffing box. 3,313,550, 4–11–67, Cl. 277—4.
Culp, Fred A., to The Ohio Corrugating Co. Apparatus for closing the open ends of cylindrical bodies. 3,301,208, 1–31–67, Cl. 113—114.
Culp, John D.: *See*—
Jackson, Robert E., and Culp. 3,300,854.
Culp, John F. Variable thrust propulsion system for aircraft. 3,310,948, 3–28–67, Cl. 60—229.
Culpan, Harry K., to Wellman Industries, Inc. Carding machine. 3,308,511, 3–14–67, Cl. 19—105.
Culpepper, Alan L., to Dow Corning Corp. Haloethersilanes. 3,334,123, 8–1–67, Cl. 260—448.8.
Culpepper, James L. Means for supplying cold gas to a propulsion jet in outer space. 3,304,722, 2–21–67, Cl. 60—233.
Culpin, William G.: *See*—
Baker, Donald E., and Culpin. 3,349,438.
Culver, Leonard J., to Foster Wheeler Corp. Steam generators. 3,356,077, 12–5–67, Cl. 122—480.
Cumberland Chemical Co.: *See*—
Lindemann, Martin K. 3,322,703.
Cumberland Chemical Corp.: *See*—
Colgan, George P., and Latimer. 3,298,987.
Hoffman, Joseph K. 3,304,247.
Mottern, Henry O., and Leeds. 3,358,041.
Vacca, Alphonse J. 3,300,460.
Vitcha, James F., and Moore. 3,340,259.
Cumberland, Joseph M. Knock-off type wheel retainers. 3,345,110, 10–3–67, Cl. 301—9.
Cumberland, Joseph R. Glass thickness gauge. 3,320,849, 5–23–67, Cl. 88—14.
Cumbers, David C., to British Nylon Spinners Ltd. Expanding reed. 3,328,864, 7–4–67, Cl. 28—55.
Cummerow, Robert L.: *See*—
Forman, Ralph, Chormley, and Cummerow. 3,322,977.
Cumming, E. P., and L. J. Leemhuis. Floor air conduit and conditioning system. 3,331,169, 7–18–67, Cl. 52—220.
Cumming, James C.: *See*—
Thompson, Robert R., and Cumming. 3,348,640.
Cumming, James C., to Rockwell-Standard Corp. Load controlled brake proportioning system. 3,297,368, 1–10–67, Cl. 303—22.
Cumming, James C., to Rockwell-Standard Corp. Torque actuated brake system. 3,319,742, 5–16–67, Cl. 188—152.
Cumming, James C., to Rockwell-Standard Corp. Brake mechanisms. 3,324,975, 6–13–67, Cl. 188—78.
Cumming, James C., to Rockwell-Standard Corp. Floating cam brake. 3,346,077, 10–10–67, Cl. 188—78.
Cumming, James D. Expansion shell for rock bolts. 3,312,-138, 4–4–67, Cl. 85—66.
Cumming, James D. Tension indicating washer. 3,329,058, 7–4–67, Cl. 85—62.
Cummings, Alan F., to North American Aviation, Inc. Foldable structure. 3,348,352, 10–24–67, Cl. 52—646.
Cummings, David M. Desk for use in vehicle. 3,345,118, 10–3–67, Cl. 312—235.
Cummings, Edgar H., to The National Acme Co. Threading implement. 3,352,139, 11–14–67, Cl. 72—123.
Cummings, Ernest E., to Crutcher-Rolfs-Cummings, Inc. Pipe bending machine. 3,335,588, 8–15–67, Cl. 72—28.
Cummings, Guy A., Jr.: *See*—
Davis, John V., Cummings, Kayser, and Zambon. 3,311,-214.
Cummings, Henry S., Jr.: *See*—
Campanile, Dominic, and Cummings. 3,299,750.
Cummings, Henry S., Jr., D. Campanile, and P. H. Wilder, to Lowell Wrench Co. Ratchet mechanism. 3,332,295, 7–25–67, Cl. 74—157.
Cummings, Howard B., to Shenango Ceramics, Inc. Recuperator tubes. 3,309,072, 3–14–67, Cl. 263—20.
Cummings, Howard B., to Shenango Ceramics, Inc. Kiln loader and unloader. 3,360,102, 12–26–67, Cl. 198—31.
Cummings, Jan G., and R. N. Maskell, to Container Corp. of America. Container for frozen product. 3,352,472, 11–14–67, Cl. 229—14.
Cummings, John G.: *See*—
Naber, Joseph, Fox, Chalmers, Ma, Cummings, and Cappelle. 3,307,414.
Cummings, John L., Sr. Metal clad refractory shapes. 3,359,-698, 12–26–67, Cl. 52—599.
Cummings, John R., and E. Cohen, to American Cyanamid Co. Novel hypotensive compositions containing 1-substituted-3-cyanoguanidines. 3,308,022, 3–7–67, Cl. 167—65.
Cummings, Karl F.: *See*—
Bement, Lyle W., and Cummings. 3,327,073.
Cummings, Lowell O., J. W. Sjoquist, and J. A. Kneeland, to Pacific Vegetable Oil Corp. Coating compositions comprising fatty oils and polymer latices. 3,332,899, 7–25–67, Cl. 260—23.
Cummings, Marcus A.: *See*—
Jollis, Allen Ulrich, Cummings, and Bayer. 3,357,906.
Cummings, William, to Monsanto Chemicals Ltd. Production of halogenonaphthalenes. 3,297,770, 1–10–67, Cl. 260—650.
Cummings, William P., L. L. Baral, and J. A. Laudone, to W. R. Grace & Co. Process for preparing a desiccant pellet. 3,301,788, 1–31–67, Cl. 202—194.
Cummins, Alfred B. Tackling dummy with freely suspended fibrous core. 3,337,217, 8–22–67, Cl. 273—55.
Cummins, Clessie L., Jr., to The Buehler Corp. Check valve cartridge assembly. 3,355,108, 11–28–67, Cl. 239—90.
Cummins, Earl W., to E. I. du Pont de Nemours and Co. Preparation of 3,3′-ethylene bis(tetrahydro-4,6-dimethyl) 2h-1,3,5-thiadiazine-2-thione. 3,299,056, 1–17–67, Cl. 260—243.
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Lind, William E. 3,315,488.
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Worth, Daniel B. 3,316,926.
Cummins, James B.: *See*—
Aiken, Howard H., Birrell, Cummins, and Richards. 3,319,761.

Cummins, James B., to Photogrammetry, Inc. Panoramic camera with off-axis lens. 3,311,038, 3–28–67, Cl. 95—16.

Cummins, Orval J., to Oxford Paper Co. Web break sensing monitor for paper machines. 3,350,262, 10–31–67, Cl. 162—255.

Cummins, Phil F., to General Dynamics Corp. Survival garment. 3,319,260, 5–16–67, Cl. 2—2.

Cummins, Richard D., to Carleton Controls Corp. Valve construction. 3,319,649, 5–16–67, Cl. 137—505.18.

Cummins, Richard W., to FMC Corp. Process for the production of polyformals of hydroxyalkyl-isocyanurates. 3,296,207, 1–3–67, Cl. 260—67.5.

Cummins, Thomas A. Power transmission. 3,318,172, 5–9–67, Cl. 74—682.

Cummins, Walter P.; 50% to F. W. Knisley. Football dial chart. 3,313,045, 4–11–67, Cl. 35—74.

Cumpston, Edward H., Jr. Method and machine for indicating the firmness of a body. 3,329,024, 7–4–67, Cl. 73—432.

Cunard, Lillian R.: *See*
Cunard, Zellie C. 3,318,069.

Cunard, Zellie C., to Lillian R. Cunard. Hackamore bit. 3,318,069, 5–9–67, Cl. 54—6.

Cunavelis, Peter J.: *See*—
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Cundiff, Kenneth K. Tape-type bed springs. 3,346,891, 10–17–67, Cl. 5—220.

Cunha, Joseph J., to Cunha Products Inc. Load distributing tractor-trailer assembly. 3,312,479, 4–4–67, Cl. 280—407.

Cunha Products Inc.: *See*—
Cunha, Joseph J. 3,312,479.

Cuniberti, Mario, to Owens-Illinois, Inc. Article handling and transferring. 3,314,554, 4–18–67, Cl. 214—1.

Cunnally, William T., 50% to G. R. Johnson. Color reproduction with a monochromatic gradient line image. 3,306,974, 2–28–67, Cl. 178—5.2.

Cunningham, Barry E.: *See*—
Otto, William B., and Cunningham. 3,325,796.

Cunningham, Beulah F., and B. W. Thompson. Combined hairbrush and style lift. 3,358,211, 12–19–67, Cl. 15—105.

Cunningham, Cabot L. World-wide time indicator. 3,348,321, 10–24–67, Cl. 35—46.

Cunningham, Donald F., to U.S. Partition & Packaging Corp. Step-by-step partition strip feeding mechanism. 3,304,082, 2–14–67, Cl. 271—42.

Cunningham, Donald F., to U.S. Partition & Packaging Corp. Partition strip holddown device. 3,308,927, 3–14–67, Cl. 198—160.

Cunningham, Donald M.: *See*—
Kozbelt, Lloyd S., and Cunningham. 3,350,674.

Cunningham, Donald M., to E. L. Wiegand Co. Plug-in electric heater construction. 3,336,466, 8–15–67, Cl. 219—451.

Cunningham, Francis V. Kite. 3,297,282, 1–10–67, Cl. 244—153.

Cunningham, Frank W., and J. V. Luck. Surgical mask. 3,315,672, 4–25–67, Cl. 128—139.

Cunningham, Franklin E., L. Kline, and H. Lineweaver, to United States of America, Agriculture. Egg white composition containing triethyl phosphate having enhanced whipping properties. 3,328,175, 6–27–67, Cl. 99—113.

Cunningham, Gerald A., to Colorado Outdoor Sports Corp. Non-sagging pack. 3,321,120, 5–23–67, Cl. 224—8.

Cunningham, Hugh: *See*—
Raetzsch, Carl W., Cunningham, and Van Hoozer. 3,337,-443.

Cunningham, Jack: *See*—
Ross, Edward E., and Cunningham. 3,326,351.

Cunningham, Jack L.: *See*—
Snellman, Roger, and Cunningham. 3,316,111.

Cunningham, James A.: *See*—
Baird, Stephen S., and Cunningham. 3,355,291.

Cunningham, James A., to Texas Instruments Inc. High temperature electrical contacts for silicon devices. 3,325,-702, 6–13–67, Cl. 317—234.

Cunningham, James A., and R. H. Johnson, to Texas Instruments Inc. Low capacitance planar diode. 3,319,135, 5–9–67, Cl. 317—234.

Cunningham, James A., and R. P. Williams, to Texas Instruments Inc. Metallic contacts for semiconductor devices. 3,341,753, 9–12–67, Cl. 317—234.

Cunningham, James M., to International Business Machines Corp. Ventilated and soundproofed enclosure for printer. 3,308,919, 3–14–67, Cl. 197—186.

Cunningham, James M., to International Business Machines Corp. Variable cycle control system for a high speed printer. 3,312,174, 4–4–67, Cl. 101—93.

Cunningham, Joseph A., to Crose-United Corp. Pipe comealong apparatus. 3,355,792, 12–5–67, Cl. 29—237.

Cunningham, Kelley G. Engine. 3,302,625, 2–7–67, Cl. 123—11.

Cunningham, Loyd L. Spark plug tool. 3,322,007, 5–30–67, Cl. 81—125.

Cunningham, McCleery B., and C. K. Dunlap, Jr., to Sonoco Products Co. Forming tube for glass fibers. 3,323,751, 6–6–67, Cl. 242—118.32.

Cunningham, Patrick J.: *See*—
Platus, David L., and Cunningham. 3,301,351.
Platus, David L., Marovich, and Cunningham. 3,360,080.
Platus, David L., Marovich, and Cunningham. 3,360,081.

Cunningham, Patrick J., D. H. Platus, F. A. Marovich, and G. Epstein, to A.R.A., Inc., (Aerospace Research Associates). Rolling cylindrical diaphragm means. 3,321,112, 5–23–67, Cl. 222—386.5.

Cunningham, Paul M., to Collins Radio Co. Detector circuits for directly strobing radio frequency signals. 3,327,219, 6–20–67, Cl. 325—325.

Cunningham, Rae H., to Newport News Shipbuilding and Dry Dock Co. Method and apparatus for fusion welding. 3,320,-402, 5–16–67, Cl. 219—137.

Cunningham, Richard, Jr., and J. D. Kimmel, to Vapor Corp. Steam generator. 3,352,289, 11–14–67, Cl. 122—240.

Cunningham, Robert W.: *See*—
Chitwood, Henry C., Freure, and Cunningham. 3,340,311.
Maloy, Arthur L., and Cunningham. 3,354,231.

Cunningham, Ronald J. Electrical power outlet control. 3,331,-013, 7–11–67, Cl. 323—22.

Cunningham, Samuel P.: *See*—
Scott, Franklin R., and Cunningham. 3,345,906.

Cunningham, Thomas W., to U.S. Stoneware, Inc. Ball mill or the like. 3,295,772, 1–3–67, Cl. 241—182.

Cunningham, Thomas W., to D. H. Baldwin Co. Electronic organ. 3,300,569, 1–24–67, Cl. 84—1.22.

Cunningham, Walter F., to Superior-Tabbies, Inc. Index tabs. 3,348,324, 10–24–67, Cl. 40—23.

Cunningham, Wesley B. Percussion device. 3,299,968, 1–24–67, Cl. 173—135.

Cunningham, Wesley B. Demolition device. 3,319,724, 5–16–67, Cl. 173—119.

Cunningham, Wesley B. Demolition device. 3,358,779, 12–19–67, Cl. 173—119.

Cunningham, William E. Automatic momentum-actuated switch mechanism. 3,330,921, 7–11–67, Cl. 200—61.48.

Cunningham, William H.: *See*—
Packard, Alfred R., and Cunningham. 3,299,916.

Cunningham, William J.: *See*—
Anello, Louis G., and Cunningham. 3,356,746.
Anello, Louis G., and Cunningham. 3,356,747.

Cunningham, William J., to Rohm & Haas Co. Alkoxyalkyl terpenyl phthalates. 3,342,852, 9–19–67, Cl. 260—475.

Cunningham, Zed. Telephone handset holder. 3,347,998, 10–17–76, Cl. 179—157.

Cunningwell, Nathaniel, to Clary Corp. Data recorder. 3,344,-722, 10–3–67, Cl. 95—4.5.

Cuoco, Benjamin A.: *See*—
McGorty, Carroll J., and Cuoco. 3,302,778.

Cuomo, Jerome J., and R. J. Gambino, to International Business Machines Corp. Arc process for forming high melting point compounds. 3,326,820, 6–20–67, Cl. 252—478.

Cupedo, Douwe J. Fluid power actuated butterfly valve or plug cock. 3,298,659, 1–17–67, Cl. 251—14.

Cupery, Harold E.: *See*—
Barbaras, Glen D., Cupery, and Loder. 3,297,425.

Cupery, Martin E.: *See*—
Marshall, William J., Linton, and Cupery. 3,331,699.

Cupery, Martin E., to E. I. du Pont de Nemours and Co. 2-cyanosorbamide. 3,299,119, 1–17–67, Cl. 260—465.4.

Cupery, Martin E. Process for making fiber-filled polytetrafluoroethylene packing materials. 3,314,916, 4–18–67, Cl. 260—41.

Cupery, Martin E. Process and device for applying pliable tapes to irregular surfaces. 3,328,219, 6–27–67, Cl. 156—187.

Cupler, John A., II. Positioning apparatus. 3,305,930, 2–28–67, Cl. 33—147.

Cupolo, Dennis: *See*—
Mariani, Thomas L., Hirschmann, Cupolo, and Peterman. 3,345,804.

Cupp, Charles D., to Scott Aviation Corp. Underwater talking hood. 3,347,230, 10–17–67, Cl. 128—147.

Cupp, Frederick B., and C. W. Palley, to United States of America, Navy. Sonic simulator. 3,311,868, 3–28–67, Cl. 340—5.

Cupp, Frederick B., and B. L. Frankel, to United States of America, Navy. Depth indicator and controller. 3,351,895, 11–7–67, Cl. 340—3.

Cupp, John: *See*—
Laya, Lawrence, and Cupp. 3,295,563.

Cupper, Robert A., and C. A. Wolf, Jr., to Union Carbide Corp. Extreme pressure lubricant additives. 3,296,138, 1–3–67, Cl. 252—49.9.

Cüppers, Paul: *See*—
Böttger, Friedrich, and Cüppers. 3,307,438.

Cupples Container Co.: *See*—
Kraus, Robert A. and E. J. 3,351,978.

Curci, William A. Frangible masonry unit. 3,354,592, 11–28–67, Cl. 52—98.

Curcio, John B. Dump body side wall construction. 3,306,-654, 2–28–67, Cl. 296—28.

Curello, Charles, and B. S. Nickerson, to Mite Corp. Sewing machine attachment for sewing buttons. 3,354,849, 11–28–67, Cl. 112—115.

Curewitz, Kenneth E., to Honeywell Inc. Multiple mode data processing system controlled by information bits or special characters. 3,344,404, 9–26–67, Cl. 340—172.5.

Curiel, Raymond F. Toothbrush sanitizer. 3,342,544, 9–19–67, Cl. 21—83.

Curl, Donald S., to A. Lipson, and B. Smith. Combination metal door and door frame unit. 3,296,743, 1–10–67, Cl. 49—382.

Curl, Donald S., to A. Lipson, and B. Smith. Devices for removably locking panels in framing. 3,296,763, 1–10–67, Cl. 52—475.

Curlator Corp.: *See*—
Auten, Charles R., and Langdon. 3,326,609.

Curless, William T., and G. A. Terry, to Gulf Oil Corp. Manufacture of nitrous oxide. 3,360,336, 12–26–67, Cl. 23—158.

Curlett, John, to Gurries Mfg. Co. Automatic control system for construction vehicles. 3,296,722, 1–10–67, Cl. 37—144.
Curlett, John, R. A. Gurries, and A. H. Rodriguez, to Gurries Mfg. Co. Grade wire support. 3,342,446, 9–19–67, Cl. 248—221.
Curlett, John, and R. A. Gurries, to Gurries Mfg. Co. Level control mechanism for road building machines. 3,346,976, 10–17–67, Cl. 37—156.
Curlook, Walter, to The International Nickel Co., Inc. Reduction of metal oxides. 3,311,466, 3–28–67, Cl. 75—26.
Curra, Richard S., Jr., to Hussey Mfg. Co., Inc. Gymnasium stand with foldable seats. 3,352,069, 11–14–67, Cl. 52—9.
Curran, Bernard E., to H. H. Robertson Co. Exterior siding and inner sheathing structure therefor. 3,343,325, 9–26–67, Cl. 52—478.
Curran, Jerimiah J. Rate-saving shipping label. 3,353,845, 11–21–67, Cl. 282—23.
Curran, John P. S., and L. Holliday, to Lucas, Joseph (Industries) Ltd. Variable flow metering devices. 3,310,939, 3–28–67, Cl. 60—39.28.
Curran, Martin J., Jr. Hydraulic balancing device. 3,348,810, 10–24–67, Cl. 254—133.
Curran, Robert E. Faucet structures. 3,347,518, 10–17–67, Cl. 251—333.
Curran, Robert J.: *See*—
Rojic, John A., Wade, and Curran. 3,324,980.
Curran, Robert J., to Borg-Warner Corp. Steering wheel shaft column. 3,335,619, 8–15–67, Cl. 74—495.
Curran, Robert K., and A. I. Coleman, to Air Products and Chemicals, Inc. Method and apparatus for analyzing an impurity gas of lower ionization potential than its carrier gas. 3,358,140, 12–12–67, Cl. 250—43.5.
Curran, Thomas A., Jr., to E. I. du Pont de Nemours and Co. Spinneret assembly. 3,336,633, 8–22–67, Cl. 18—8.
Curran, Thomas D., to Fibreboard Paper Products Corp. Foamed seal package. 3,341,105, 9–12–67, Cl. 229—37.
Curran, Thomas E.: *See*—
McCarthy, John T., Curran, and Allison. 3,307,311.
Curran, Willard F., to Danly Machine Specialties, Inc. Apparatus for reversing a workpiece for an automatic press line. 3,342,125, 9–19–67, Cl. 100—207.
Currean, Robert A., to The First Safe Deposit National Bank of New Bedford. Method of manufacturing electric circuit structures. 3,330,695, 7–11–67, Cl. 117—212.
Curren, John L. Compact coiled tube heat exchanger. 3,306,352, 2–28–67, Cl. 165—163.
Curren, William J., to The Foxboro Co. Chromatographic apparatus for measuring hydrogen components. 3,319,458, 5–16–67, Cl. 73—23.1.
Current, Ira B., to General Aniline & Film Corp. Processing device for motion picture films. 3,301,159, 1–31–67, Cl. 95—94.
Current, James H., to Schlumberger Well Surveying Corp. Non-retrievable bridge plug. 3,298,440, 1–17–67, Cl. 166—123.
Current, James H., to Schlumberger Well Surveying Corp. Well tool coupling member. 3,329,450, 7–4–67, Cl. 287—2.
Current, James H., to Schlumberger Technology Corp. Non-retrievable bridge plug. 3,343,607, 9–26–67, Cl. 166—182.
Current, James H., to Schlumberger Technology Corp. Anti-extrusion device for a well tool packing element. 3,358,766, 12–19–67, Cl. 166—134.
Current, John M., and W. F. Rea, to Johns-Manville Corp. Method and apparatus for treating and converging fibers. 3,335,046, 8–8–67, Cl. 156—441.
Currie, Andrew C.: *See*—
Grigor, James, Parker, and Currie. 3,351,506.
Currie, Courtlyn B., to Honeywell Inc. On-off and modulating condition control valve. 3,307,785, 3–7–67, Cl. 236—80.
Currie, Daniel P. Means for increased pitch change rate. 3,331,445, 7–18–67, Cl. 170—160.32.
Currie, Grover C., to Viking Corp. Packaging machine and method. 3,302,365, 2–7–67, Cl. 53—29.
Currie, Harold B., to Radio Corp. of America. First stroke locator for a character reader. 3,349,372, 10–24–67, Cl. 340—146.3.
Currie, Harry A., Jr., J. S. Mason, and R. H. Wise, to Texas Instruments Inc. Decimal rate multiplication system. 3,321,610, 5–23–67, Cl. 235—160.
Currie, Harry A., Jr., J. S. Mason, and R. H. Wise, to Texas Instruments Inc. and ½ to Sanitary Scale Co. Price computing and marking apparatus. 3,329,807, 7–4–67, Cl. 235—159.
Currie, William E., to Parker-Hannifin Corp. Tube coupling. 3,326,582, 6–20–67, Cl. 285—341.
Currier, James W., to International Minerals & Chemical Corp. Method and apparatus for solution mining. 3,297,362, 1–10–67, Cl. 299—5.
Currier, John A., to Scott & Williams, Inc. Knitting machines. 3,306,079, 2–28–67, Cl. 66—134.
Currier, John A., to Scott & Williams, Inc. Knitted products. 3,327,500, 6–27–67, Cl. 66—187.
Currier, John A., to Scott & Williams, Inc. Methods and machines for stocking production. 3,340,706, 9–12–67, Cl. 66—26.
Currier, John A., to Scott & Williams, Inc. Method and machines for stocking production. 3,340,707, 9–12–67, Cl. 66—26.
Currier, Vernon A., and J. G. Milligan, to Jefferson Chemical Co., Inc. Azeotropic distillation of diethylenetriamine and aminoethylethanolamine from piperazine residue. 3,331,756, 7–18–67, Cl. 203—69.
Currin, Cedric G., to Dow Corning Corp. Semiconductor leakage detector and control circuit. 3,312,862, 4–4–67, Cl. 317—10.
Currin, Cedric G., and J. S. Hood, Jr., to Dow Corning Corp. Automatic apparatus for measuring resistivity of semiconductors. 3,312,893, 4–4–67, Cl. 324—64.
Curry, Andrew J., Jr., to Curry Brothers, Inc. Display device for sub-dividing a large compartment. 3,303,956, 2–14–67, Cl. 217—7.
Curry, Blanche L.: *See*—
Curry, Elisha J. and B. L. 3,339,447.
Curry Brothers, Inc.: *See*—
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Anderson, Paul G. 3,298,045.
Curry, David B. Milling tool for milling or cutting objects in a well bore. 3,337,936, 8–29–67, Cl. 29—103.
Curry, Elisha J. and B. L. Music teaching aid. 3,339,447, 9–5–67.
Curry, James E., to United States of American, National Aeronautics and Space Administration. Method of producing alternating ether-siloxane copolymers. 3,346,515, 10–10–67, Cl. 260—2.
Curry, James J.: *See*—
Meyer, Werner H., and Curry. 3,354,813.
Curry, Nolan A.: *See*—
Timmer, William F., and Curry. 3,296,022.
Curry, Robert P., and C. G. Craddock, to Geigy Chemical Corp. Catalytic preparation of phosphoric acid esters. 3,329,678, 7–4–67, Cl. 260—251.
Curry, Robert S., Jr., E. F. Potter, and R. R. Rover, Jr., to Sperry Rand Corp. Windscreen type display apparatus. 3,339,203, 8–29–67, Cl. 343—108.
Curry, Walter A. Sprinkler control means and combination. 3,321,138, 5–23–67, Cl. 239—99.
Curtice, Gerald M., to Archer-Daniels-Midland Company. Water dispersible resins comprising polyalkylene glycol, dicarboxylic acid and polyhydric alcohol. 3,310,512, 3–21–67, 260—29.4.
Curtie, Maurice C.: *See*—
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Curtin, Michael D., Jr., to The Proctor & Gamble Co. Process for the production of quaternary ammonium compounds. 3,318,954, 5–9–67, Cl. 260—567.6.
Curtin, Paul J.: *See*—
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Curtindale, Edward G., to General Motors Corp. Turn signal system with automatic canceling means. 3,309,663, 3–14–67, Cl. 340—55.
Curtis, Carl. Auxiliary battery system for motor vehicles. 3,340,402, 9–5–67, Cl. 307—48.
Curtis, Charles, to Enresco, Inc. Self propelled irrigator. 3,352,493, 11–14–67, Cl. 239—177.
Curtis, Charles G., and P. C. Jennings, said Jennings assor. of 60% to said Curtis. Suspension system actuated self propelled fluid discharge device. 3,314,608, 4–18–67, Cl. 239—177.
Curtis, Donald R., to Allis-Chalmers Mfg. Co. Vaned paper making machine headbox manifold having adjustable thickness vanes. 3,304,224, 2–14–67, Cl. 162—343.
Curtis, Donald R., to Allis-Chalmers Mfg., Co. Sleeve and roll assembly. 3,318,233, 5–9–67, Cl. 100—121.
Curtis, Edward G., to The Dow Chemical Co. Method of covering a trayless package with heat shrinkable plastic film. 3,348,356, 10–24–67, Cl. 53—30.
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Curtis, Gerald J. Fish stringer. 3,332,121, 7–25–67, Cl. 24—257.
Curtis, Gerald R., J. C. Kyle, and G. Robinson, to Physical Sciences Corp. Temperature compensated magnetic transducer. 3,308,412, 3–7–67, Cl. 336—136.
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Curtis, Harold E., B. K. Johnson, and J. P. Russell, to Imperial Chemical Industries Ltd. Collection of synthetic polymeric yarns or filaments. 3,358,433, 12–19–67, Cl. 57—93.
Curtis, Harry W.: *See*—
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Curtis, Herbert J., to United States Steel Corp. Transfer apparatus for conveyor sampling baskets. 3,306,474, 2–28–67, Cl. 214—1.
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Curtis, James H., to Miles Laboratories, Inc. Water-dispersible form of dialdehyde starch and process therefor. 3,299,052, 1–17–67, Cl. 260—233.3.
Curtis, John C., and T. A. Parssinen, to Joy Mfg. Co. Dual rotation for rock drills. Re. 26,321, 12–5–67, Cl. 173—96.
Curtis, Joseph A., Jr. Cigarette assembly. 3,318,312, 5–9–67, Cl. 131—10.5.
Curtis, Kenneth B., to Metro-Kalvar, Inc. Apparatus for sound and image printing of irradiation sensitive film. 3,323,434, 6–6–67, Cl. 95—75.
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Curtis & Marble Machine Co.: *See*—
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Curtis, Ralston, and G. E. Lukes, deceased (by J. Hazzard, administrator), to Stauffer Chemical Co. Alkyliminodethiocarbonates and alkali salts thereof. 3,335,182, 8–8–67, Cl. 260—566.
Curtis, Richard P.: *See*—
Farr, Harold K., Frelich, and Curtis. 3,296,579.
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Curtis, Robert E. Tool for dimensional and/or angular measuring. 3,321,835, 5–30–67, Cl. 33—75.
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Curtis, Truman P., and J. R. M. Vaughan, to General Electric Co. Tolerance compensating electrode support structure and method of manufacturing same. 3,300,673, 1–24–67, Cl. 313—153.
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Curtis, Wilfred A., and J. F. Keating. Trailer spare and third wheel. 3,348,861, 10–24–67, Cl. 280—475.
Curtis, William I., to The Hill Acme Co. Fluid powered tongs. 3,359,033, 12–19–67, Cl. 294—88.
Curtiss, Arthur J., and C. V. Wilson. Self-propelled water vehicle. 3,358,636, 12–19–67, Cl. 115—28.
Curtiss, John N., C. N. Forsvall, Jr., and K. W. Rausch, Jr., to The Upjohn Co. Continuous process for producing mixtures of methylene-bridged polyphenyl polyamines. 3,297,759, 1–10–67, Cl. 260—570.
Curtiss, Robert H., to Anelex Corp. Printing machine incorporating spaced-font print roll, and method of printing. 3,313,390, 4–11–67, Cl. 197—133.
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Kebbon, Earl R., McCrae, and Van Siclen. 3,324,841.
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Curtius, Ulrich, V. Bollert, G. Fritz, and J. Nentwig, to Farbenfabriken Bayer Aktiengesellschaft. Process for the preparation of carbonic and carboxylic acid derivatives. 3,326,958, 6–20–67, Cl. 260—463.
Curto, Nicholas J., and J. E. Henry, to Owens-Illinois, Inc. Method and apparatus for extruding thermoplastic material. 3,351,694, 11–7–67, Cl. 264—176.
Curwen, Peter W., to Mechanical Technology Inc. Resonant piston compressor. 3,303,990, 2–14–67, Cl. 230—55.
Curwen, Peter W., to Mechanical Technology Inc. Resonant piston compressor. 3,329,334, 7–4–67, Cl. 230—55.
Cusano, Dominic A., and R. L. Sormberger, to General Electric Co. Heterojunction electroluminescent devices. 3,330,983, 7–11–67, Cl. 313—108.
Cuschera, Casper. Faucet drinking fountain. 3,325,101, 6–13–67, Cl. 239—25.
Cuscurida, Michael, to Jefferson Chemical Co., Inc. Polyurethane foams produced from monoamine triols. 3,331,791, 7–18–67, Cl. 260—2.5.
Cushing, Donald S., to General Electric Co. Anti-siphon device for an automatic washer. 3,346,000, 10–10–67, Cl. 137—216.
Cushing, George B., and F. L. Reese, to Westinghouse Electric Corp. Oil type circuit breakers having outer continuous insulating support tube and inner stacked insulating plates providing lateral vent openings. 3,356,811, 12–5–67, Cl. 200—150.
Cushing, Vincent J. Screened electromagnetic flowmeter. 3,329,020, 7–4–67, Cl. 73—194.
Cushing, Vincent J., and W. A. Beaudry, to United States of America, Navy. Dispersal type cluster warhead. 3,295,444, 1–3–67, Cl. 102—7.2.
Cushman, Kenneth V., to The Delron Co., Inc. Floating nut insert. 3,339,609, 9–5–67, Cl. 151—41.7.
Cushman, Kenneth V. Locking mechanism. 3,341,233, 9–12–67, Cl. 287—20.924.
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Cusic, John W., and P. Yonan, to G. D. Searle & Co. Complex N-substituted azabicycloalkanes. 3,299,044, 1–17–67, Cl. 260—239.
Cusic, John W., and E. F. Le Von, to G. D. Searle & Co. Aminopiperazine derivatives. 3,301,851, 1–31–67, Cl. 260—240.
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Cusic, John W., and P. Yonan, to G. D. Searle & Co. N-dialkylaminoalkyl-1-xanthenylpiperidinecarboxamides and related compounds. 3,318,901, 5–9–67, Cl. 260—294.
Cusic, John W., and P. Yonan, to G. D. Searle & Co. Derivatives of isonipecotamide. 3,320,246, 5–16–67, Cl. 260—243.
Cusic, John W., and P. Yonan, to G. D. Searle & Co. Dibenzocyclohepten-5-ylpiperazines. 3,320,259, 5–16–67, Cl. 260—268.
Cusic, John W., and W. E. Coyne, to G. D. Searle & Co. Complex amides of 5,6-dihydrophenanthridine-5-carboxylic acid, 5,6-dihydro-11H-dibenz[b,e]azepine-5-carboxylic acid, and related compounds. 3,336,293, 8–15–67, Cl. 260—239.
Cusic, John W., and P. Yonan, to G. D. Searle & Co. Acyl derivatives of 1 - amino-4-xanthenylpiperazine. 3,350,402, 10–31–67, Cl. 260—268.
Cusic, John W., and P. Yonan, to G. D. Searle & Co. Xanthenylpiperazine anti-depressants. 3,356,681, 12–5–67, Cl. 260—268.
Cusic, John W., and W. E. Coyne, to G. D. Searle & Co. Complex amides of dihydrodibenzo[b,f][1,4]oxazepine-10-carboxylic acids. 3,357,998, 12–12–67, Cl. 260—333.
Cusick, Richard T., to United States of America, Navy. Switch for high energy circuits. 3,344,248, 9–26–67, Cl. 200—82.
Cuskie, Herman C., to Ford Motor Co. Rear suspension for a motor vehicle. 3,333,866, 8–1–67, Cl. 280—124.
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Berman, Sanford, and Wright. 3,353,715.
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Cuta, Robert J., to Research Products Corp. Air filter having ductile metal frame with integral lock. 3,300,952, 1–31–67, Cl. 55—491.
Cutaia, Alfred, to International Business Machines Corp. Data register with particular intrastage feedback and transfer means between stages to automatically advance data. 3,300,724, 1–24–67, Cl. 328—37.
Cutaia, Alfred, to International Business Machines Corp. Document sorting apparatus. 3,352,417, 11–14–67, Cl. 209—74.
Cuthbert, Robert M., to British Columbia Research Council. Torsion monitoring apparatus. 3,309,920, 3–21–67, Cl. 73—136.
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Cutler, Duncan B., W. L. Warner, and W. A. Hadden, to Woodman Co., Inc. Gusset apparatus for bag form and fill machine and method. 3,353,327, 11–21–67, Cl. 53—28.
Cutler, Earl F., to Roofing Machinery Mfg. Co. Spring operated demolition device. 3,312,293, 4–4–67, Cl. 173—119.
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Brown, Harry W. 3,329,842.
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Brunette, Henry D., and Hyink. 3,325,695.
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Davis, Charles C. 3,303,295.
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Greening, Donald J., and Mead. 3,350,616.
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Waldorf, Joseph F., Rzepecki, and Charbonneau. 3,322,927.
Cutler, John H., to General Electric Co. Electronic circuits. 3,297,935, 1–10–67, Cl. 321—18.
Cutler, John H., and W. A. Le Doux, to General Electric Co. Generator protective systems. 3,351,812, 11–7–67, Cl. 317—13.
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Cutler, Royce L., to Houston Instruments Corp. X-Y recorder platting circuit. 3,299,432, 1–17–67, Cl. 346—29.
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Cutri, Frank J., to Carlton Paper Corp. Paper guide means for pattern duplicating machine. 3,306,194, 2–28–67, Cl. 101—131.
Cutri, Frank J., to Carlton Paper Corp. Pattern duplicating machine. 3,306,195, 2–28–67, Cl. 101—132.5.
Cutri, Frank J., to Carlton Paper Corp. Pattern transfer machine. 3,306,196, 2–28–67, Cl. 101—132.5.
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Cutrone, John N. Portable power threader and vise. 3,316,-571, 5–2–67, Cl. 10—89.
Cutter, Edward L., Jr. Shear gage. 3,314,322, 4–18–67, Cl. 83—451.
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Allen, Robert E., and Ambrus. 3,336,356.
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Cuttino, William H., to Westinghouse Electric Corp. Bypass switch control means for series capacitor installations. 3,335,362, 8–8–67, Cl. 323—101.
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Cuvelier, Michel, to American Radiator & Standard Sanitary Corp. Kiln and related apparatus. 3,336,018, 8–15–67, Cl. 263—6.
Cuvelier, Michel, to American Radiator & Standard Sanitary Corp. Conveying mechanism for a tunnel kiln. 3,338,569, 8–29–67, Cl. 263—6.
Cuzner, Joseph A., and K. R. V. Pandalai, to Martin-Marietta Corp. Process of preparing lithographic plates. 3,335,072, 8–8–67, Cl. 204—17.
Cvacho, Daniel S.: *See*—
Reynolds, William G., Maeder, Kraus, and Cvacho. 3,355,-060.
Cvacho, Daniel S., C. L. Wilson, and C. T. Payne, Jr., to Reynolds Metals Co. Method and apparatus for making a container or the like on a fluid covered and/or vibrated mandrel. 3,296,945, 1–10–67, Cl. 93—80.
Cvacho, Daniel S., and D. H. Hussey, to Reynolds Metals Co. Container body trimming apparatus and method. 3,359,-841, 12–26–67, Cl. 82—82.
Cvar, Harry J. Mail signal device. 3,338,511, 8–29–67, Cl. 232—35.
Cvikl, Ernst. Three-dimensional load-supporting structures and methods of producing such structures. 3,345,793, 10–10–67, Cl. 52—655.
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Cyba, Henryk A., to Universal Oil Products Co. Stabilization of rubber with dicyclohexyldiaminodiphenyl ether. 3,297,-628, 1–10–67, Cl. 260—45.9.
Cyba, Henryk A., to Universal Oil Products Co. Polyhydroxyalkylalkylene polyamine borate esters. 3,301,888, 1–31–67, Cl. 260—462.
Cyba, Henryk A., to Universal Oil Products Co. Reaction product of a phosphorus acid ester with a polyester of an alkanolamine and a dicarboxylic acid. 3,331,892, 7–18–67, Cl. 260—920.
Cyba, Henryk A., to Universal Oil Products Co. Oxyalkylated hydroxyhydrocarbon thiophosphates. 3,337,654, 8–22–67, Cl. 260—950.
Cyba, Henryk A., to Universal Oil Products Co. S-(Dithiophosphatyl) epoxyalkanes. 3,349,103, 10–24–67, Cl. 260—348.
Cyba, Henryk A., to Universal Oil Products Co. N-(2-hydroxyphenylmethylene)-organo aryl amines and metal salts thereof. 3,349,110, 10–24–67, Cl. 260—439.
Cyba, Henryk A., to Universal Oil Products Co. Addition reaction products of oxyalkylenated phosphorus compounds and N-containing polymers. 3,359,347, 12–19–67, Cl. 260—925.
Cyba, Henryk A., and R. H. Rosenwald, to Universal Oil Products Co. N-(2-hydroxyphenylmethylene)-2-hydroxy-organo-aryl amine and metal salts thereof. 3,324,158, 6–6–67, Cl. 260—439.
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Cycowicz, Izchak. Chair. 3,352,601, 11–14–67, Cl. 297—85.
Cygan, Frank J., and J. Farmer, to Pennsalt Chemicals Corp. Pineapple processing. 3,318,709, 5–9–67, Cl. 99—105.
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Tsuda, Koh, Yasukawa, Imamura, and Nagahama. 3,313,725.
Cymmer, Thomas, and N. Fried, to United States of America, Navy. Grip for compression testing. 3,347,091, 10–17–67, Cl. 73—103.
Cymmer, Thomas, and R. Raphael, to United States of America, Navy. Guide for faired cable. 3,347,526, 10–17–67, Cl. 254—190.
Cypher, James H., to Pittsburgh Plate Glass Co. Apparatus for supporting a glass sheet in an upright position for heat treating. 3,353,945, 11–21–67, Cl. 65—273.
Cypher, James R.: *See*—
Betchart, Frank L. 3,360,280.
Cyphers, Robert A. Aquatic trash rakes. 3,325,013, 6–13–67, Cl. 210—159.
Cypra, Arne, F. Haentzschel, E. Munk, and G. Winter, to Robert Bosch G.m.b.H. High voltage capacitor arrangement. 3,300,695, 1–24–67, Cl. 317—260.
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Cyr, Gilman N., and J. L. Chen, to E. R. Squibb & Sons, Inc. Long lasting troche. 3,312,594, 4–4–67, Cl. 167—82.
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Dolney, Stanley M. 3,314,270.
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Cywinski, Norbert F., to Phillips Petroleum Co. Producing halogenated olefinic hydrocarbons from 1-alkynes and perhaloalkanes. 3,338,981, 8–29–67, Cl. 260—654.

Czajkowski, George J., and P. E. Liakakos, to Universal Oil Products Co. Hydroforming with a platinum catalyst. 3,296,118, 1–3–67, Cl. 208—100.

Czajkowski, George J., and P. E. Liakakos, to Universal Oil Products Co. Recycle of hydrodealkylation product for hydrogen enrichment. 3,322,842, 5–30–67, Cl. 260—672.

Czap, Lawrence. Ulnar drift splint. 3,299,887, 1–24–67, Cl. 128—77.

Czapek, Andre, to Societe d'Optique et de Mecanique de Haute Precision. Photogrammetric plotter. 3,302,291, 2–7–67, Cl. 33—20.

Czapiewski, Billy S., to Omaha Body & Equipment Co. Dual dump gate construction. 3,298,745, 1–17–67, Cl. 298—37.

Czarnecki, Adolph, to Anchor Steel and Conveyor Co. Mechanical index drive. 3,295,381, 1–3–67, Cl. 74—84.

Czarnecki, Jerzy J., to De Laval Turbine Inc. Pulsator pumps. 3,335,666, 8–15–67, Cl. 103—44.

Czarnecki, John D.: *See*—
Collidge, Sollace B., Jr., and Czarnecki. 3,347,407.

Czech, Clifford F., to McGraw-Edison Co. Dryer door and filter assembly. 3,304,624, 2–21–67, Cl. 34—82.

Czech, Maximilian: *See*—
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Czekanski, Joseph, and J. Smith, to Weddle Charlton & Co. Ltd. Method for prevention of growth of aquatic fouling. 3,326,174, 6–20–67, Cl. 114—222.

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Walker, Darrell W., and Czenkusch. 3,351,623.

Czepiel, Thomas P., to Scott Paper Co. Filler comprising fibrous foamed aminoplast resin. 3,322,697, 5–30–67, Cl. 260—2.5.

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Czernek, Clyde F., to Weston Hydraulics, Ltd. Control system. 3,307,584, 3–7–67, Cl. 137—625.64.

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Czibula, Iren: *See*—
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Cziska, Johann: *See*—
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Czorny, Vasil P., W. H. Ring, K. A. Pannier, Jr., and J. L. Sorenson, to Sorenson Research Corp. Catheter placement unit with removable cannulated needle. 3,297,303, 1–10–67, Cl. 128—214.2.

Czorny, Vasil P., W. H. Ring, K. A. Pannier, and J. L. Sorenson, to Sorenson Research Corp. Intravenous catheter protector unit. 3,324,853, 6–13–67, Cl. 128—214.4.

Czubak, Albin S., to Micromatic Hone Corp. Bore gauging device. 3,320,378, 5–16–67, Cl. 200—61.41.

Czubak, Albin S., to Micromatic Hone Corp. Linear motion transmitting device. 3,350,948, 11–7–67, Cl. 74—53.

Czubak, Albin S., and G. A. Hubble, to Micromatic Hone Corp. Automatic stamping mechanism. 3,345,938, 10–10–67, Cl. 101—43.

Czubak, Albin S., and R. W. Militzer, to Micromatic Hone Corp. Apparatus for parallel face finishing. 3,333,366, 8–1–67, Cl. 51—67.

Czulak, Joseph, and C. E. Kawchitch. Apparatus for the sanitization of liquids with especial application to water storages and swimming pools. 3,336,099, 8–15–67, Cl. 21—102.

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D.C. May-Ma-Crepe Corp.: *See*—
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DCA Food Industries Inc.: *See*—
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Fries, Edward W., Kaufman, Spiel, and Lipka. 3,298,302.

D & G Plastics Co.: *See*—
Davenport, David L. 3,312,484.
Leadbetter, Gilbert E., and Rice. 3,312,483.
Marshall, Charles M., and McCullough. 3,356,246.

D K Mfg. Co.: *See*—
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Sheffield, Kenneth J. W. 3,307,589.
Sibthorpe, Anthony M. 3,299,417.

DMD Corp.: *See*—
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Daalderop, Wilhelmus H. J. D. 3,354,766.

Daalderop, Wilhelmina G. J. M.: *See*—
Daalderop, Wilhelmus H. J. D. 3,354,766.

Daalderop, Wilhelmus H. J. D., deceased (by M. J. W. E. Daalderop-van Oppenraaij, heir and guardian of minors, M. W. H. M. Wakkerman-Daalderop, M. W. J. G. P. Junior-Daalderop, and W. G. J. M., E. W. M. and J. J. M. Daalderop, heirs), to N. V. Koninklijke Metaalwarenfabrieken voorheen J. N. Daalderop & Zonen. Tool carrying device for an eccentric press. 3,354,766, 11–28–67, Cl. 83—133.

Daalderop-van Oppenraaij, Maria J. W. E.: *See*—
Daalderop, Wilhelmus H. J. D. 3,354,766.

Daams, Jasper: *See*—
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Daane, Robert A., to Beloit Corp. Dryer ventilating roll. 3,345,757, 10–10–67, Cl. 34—111.

Dabney, Eugene E., and J. R. Fields, to The Prescon Corp. Machine for cold heading wire. 3,333,456, 8–1–67, Cl. 72—453.

Dabney, John B.: *See*—
Beetle, Robert H., and Dabney. 3,302,919.

Dabrique d'horlogerie Chs-Tissot et fils S.A.: *See*—
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Dabrowski, Jan, to United Merchants and Manufacturers, Inc. Non-woven fabrics of resin-bonded regenerated cellulose. 3,304,194, 2–14–67, Cl. 117—10.

Dac Corp.: *See*—
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Dacam Corp.: *See*—
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Dachs, Karl, H., Brueggemann, and E. Boeck, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Anionic polymerization of lactams with lactam-N-carbamido compounds as activators. 3,304,291, 2–14–67, Cl. 260—78.

Daco Instrument Co.: *See*—
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Daco Rubber, Inc.: *See*—
Daubenberger, Charles J. 3,343,217.

Dacons, Joseph C.: *See*—
Adolph, Horst G., Dacons, and Kamlet. 3,296,315.

Dacor Corp.: *See*—
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DaCosta, Harry, to Motorola, Inc. Package for discrete and integrated circuit components. 3,323,022, 5–30–67, Cl. 317—101.

Da Cruz, Edward. Storage case for disk-shaped objects. 3,306,462, 2–28–67, Cl. 211—49.

Dadd, Morris V., to Johnson Products, Inc. Lubricant flow metering means for engine rocker arm lubrication system. 3,358,658, 12–19–67, Cl. 123—90.

Daddona, Domenic J., Jr., to Scovill Mfg. Co. Tack-fastened button. 3,320,644, 5–23–67, Cl. 24—95.

Daddona, Domenic J., Jr., to Scovill Mfg. Co. Lacing device. 3,333,304, 8–1–67, Cl. 24—145.

Daddona, Domenic J., Jr., to Scovill Mfg. Co. Capped eyelet for attaching snap fasteners. 3,333,306, 8–1–67, Cl. 24—216.

Daddona, Domenic J., Jr., to Scovill Mfg. Co. Snap fastener assemblies. 3,355,780, 12–5–67, Cl. 24—208.

Dadin, Louis E., to United States of America, Navy. Battery cell tester. 3,315,140, 4–18–67, Cl. 320—48.

Dadura, James G., J. W. Wisner, Jr., and M. A. Wiley, to Texaco Inc. Lubricating composition. 3,321,402, 5–23–67, Cl. 252—47.5.

Daem, Richard C., N. W. Gray, and B. Young, to Boart & Hard Metal Products S.A. Ltd. Abrasive cutting tools such as saws. 3,353,526, 11–21–67, Cl. 125—15.

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Daggett, Carl O. Readily assembleable kite construction. 3,305,197, 2–21–67, Cl. 244—153.

Daggett, Myron L., and W. H. Krauss, to The Boeing Co. Calculator. 3,333,767, 8–1–67, Cl. 235—61.

Dagher, George C., Jr. Series envelope form. 3,329,332, 7–4–67, Cl. 229—69.

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D'Agostino, Michael V., to Radio Corp. of America. Logic arrangement. 3,329,835, 7–4–67, Cl. 307—88.5.

D'Agostino, Richard A. Head covering apparatus for use in streak coloring hair. 3,302,653, 2–7–67, Cl. 132—9.

Daguet, Jacques L., to North American Philips Co. Inc. Transmission system for converting a binary information signal to a three level signal. 3,344,352, 9–26–67, Cl. 325—38.

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Daher, Lawrence J.: *See*—
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Daher, Paul R., to International Business Machines Corp. Error checking system for variable length data. 3,311,879, 3–28–67, Cl. 340—146.1.

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Dahlberg Electronics Inc.: *See*—
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Dahill, Robert T., Jr.: *See*—
Bose, Ajay K., and Dahill. 3,337,590.

Dahl, Andrew I.: *See*—
Elovic, Ernest, and Dahl. 3,332,254.

Dahl, Erik O., and T. F. Anderssen, to Elektrokemisk A/S. Process of pelletizing ores. 3,323,901, 6–6–67, Cl. 75—3.

Dahl, Ernest A., Jr. Tape file apparatus. 3,303,848, 2–14–67, Cl. 129—16.

Dahl, Ernest A., Jr. Punch card. 3,307,022, 2–28–67, Cl. 235—61.12.

Dahl, Ernest A., Jr. Card file. 3,333,590, 8–1–67, Cl. 129—16.

Dahl, Ernest A., Jr. Electromagnetic card file. 3,333,591, 8–1–67, Cl. 129—16.

Dahl, Frank L. Supporting closure cover for a container. 3,300,075, 1–24–67, Cl. 215—100.

Dahl, Frank L. Forming tool for forming a supporting means in a thin-sheet top panel portion of a container closure cover. 3,314,272, 4–18–67, Cl. 72—325.

Dahl, John C., to Whirlpool Corp. Rechargeable battery operated vacuum cleaner. 3,340,454, 9–5–67, Cl. 320—22.

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Dahlbom, Johan R., to Astra, Apotekarnes Kemiska Fabriker, Aktiebolaget. Omega-tertiaryamino butynol-1-phenyl cycloalkane carboxylates. 3,317,526, 5–2–67, Cl. 260—247.2.

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Dahlgren, Harold P. Lithographic dampener with skewed metering roller. 3,343,484, 9–26–67, Cl. 101—148.

Dahlgren, Harold P., to Dahlgren Mfg. Co., Inc. Dampening fluid cooling and circulating apparatus for lithographic offset press dampening device. 3,352,317, 11–14–67, Cl. 137—339.

Dahlgren, Jens K. A., and F. T. Stahl, to Aktiebolaget Flygts Pumpar. Centrifugal pump, particularly a hot water pump. 3,306,220, 2–28–67, Cl. 103—87.

Dahlgren, Jens K. A., and C. E. Sjöstrand, to Aktiebolaget Flygts Pumpar. Hose couplings, hose connections, etc., particularly for submersible pumps. 3,356,390, 12–5–67, Cl. 285—27.

Dahlgren, John A., to General Electric Co. Household refrigerator including automatic icemaker and control means therefor. 3,312,080, 4–4–67, Cl. 62—155.

Dahlgren, John A., and D. W. Jacobus, to General Electric Co. Hydraulic ice maker. 3,306,072, 2–28–67, Cl. 62—351.

Dahlgren, Jons A. Method of superheating steam originating from a steam generator of a pressurized water nuclear reactor. 3,301,762, 1–31–67, Cl. 176—65.

Dahlgren, Jons A., to AB Rosenblads Patenter. Steam generator arrangement heated by reactor water from a nuclear reactor. 3,344,776, 10–3–67, Cl. 122—32.

Dahlgren Mfg. Co., Inc.: *See*—
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Dahlgren, Victor F., and S. K. Tally, to Sanders Associates, Inc. Extensible and retractable flexible circuit cable. 3,300,572, 1–24–67, Cl. 174—69.

Dahlgren, Victor F., S. K. Tally, and T. H. Stearns, to Electro-Mechanisms, Inc., Flexible printed circuitry terminations. 3,325,691, 6–13–67, Cl. 317—101.

Dahlhaus, Hermann, H. G. Nachtrodt, and F. Knuppel. Lighting fixture support for a tubular electric lamp. 3,305,823, 2–21–67, Cl. 339—53.

Dahlin, Rolf, and G. Johansson, to Citograf Aktiebolag. Electromechanical control for embossing machines which rotates font past and back to selected characters. 3,306,416, 2–28–67, Cl. 197—6.6.

Dahlke, Heinz, to Siemens-Schuckertwerke Aktiengesellschaft. Flood-lighting luminaire. 3,302,015, 1–31–67, Cl. 240—41.3.

Dahlman, Frederick A., and F. L. Janowsky, to Corning Glass Works. Control system. 3,324,770, 6–13–67, Cl. 91—40.

Dahlman, Per O., and P. M. Thrasher, to International Business Machines Corp. Ideally lossless resonant transfer of energy between bandpass filters of equal bandwidth. 3,359,370, 12–19–67, Cl. 179—15.

Dahlmann, Helmut, to Schering Aktiengesellschaft. Method for obtaining a bright zinc coating by electrodeposition and the bath used therefor. 3,317,412, 5–2–67, Cl. 204—55.

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Dahly, Harold W. Cooling unit for a hat. 3,353,191, 11–21–67, Cl. 2—171.3.

Dahm, David M., to Burroughs Corp. Memory organization for reducing access time of program repetitions. 3,337,851, 8–22–67, Cl. 340—172.5.

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Dahms, James B., and B. P. Edmonds, to Kalium Chemicals Ltd. System of plural solution mining cavities communicating with a single station. 3,339,979, 9–5–67, Cl. 299—4.

Dahms, James B., and B. P. Edmonds, to Kalium Chemicals Ltd. Solution mining of sloping strata. 3,341,252, 9–12–67, Cl. 299—4.

Dahms, James B., and B. P. Edmonds, to Pittsburgh Plate Glass Co. Establishing communication between bore holes in solution mining. 3,347,595, 10–17–67, Cl. 299—4.

Dahms, Ronald H., E. E. Hardy, and D. A. Popielski, to Monsanto Co. Process for incorporating a liquid additive into a solid thermoplastic polymer. 3,301,813, 1–31–67, Cl 260—34.2.

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Daido Seiko Kabushiki Kaisha: *See*—
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Dail, Paul D., to Crownco of San Diego. Supports for acoustic tile. 3,339,331, 9–5–67, Cl. 52—496.

Dailey, Arthur M., O. F. Boykin, and C. W. Hartman, to CTS Corp. Electrical resistance element and method of making the same. 3,329,526, 7–4–67, Cl. 117—227.

Dailey, Charles L., B. I. Friedman, J. S. Martinez, E. W. Allen, and D. Jortner, to TRW Inc. Direct cycle radioisotope rocket engine. 3,315,471, 4–25–67, Cl. 60—203.

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Dailey, Donald E., to Arkla Industries Inc. Lamp having swing apart access portion. 3,321,619, 5–23–67, Cl. 240—11.

Dailey, Vacell D. Piston structure. 3,354,794, 11–28–67, Cl. 92—243.

Dailey, William T., to Interstate Container Corp. Pallet foot. 3,316,861, 5–2–67, Cl. 108—51.

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Nallinger, Friedrich K. H. 3,316,441.
Nallinger, Friedrich K. H. 3,329,936.
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Dain, Richard J., to Davy and United Engineering Co. Ltd. Continuous casting mold. 3,295,172, 1–3–67, Cl. 22—57.2.

Dain, Richard J., to Davy and United Engineering Co. Ltd. Multiple Billet continuous casting mold. 3,343,594, 9–26–67, Cl. 164—281.

Daines, Geoffrey A., to Westinghouse Electric Corp. Automatic coil feed for sealed beam lamps. 3,347,414, 10–17–67, Cl. 221—200.

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D'Alba, Anthony R., and R. A. Deibel, to Trico Products Corp. Windshield wiper. 3,301,137, 1–31–67, Cl. 91—219.

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Dale, John R., and H. R. Menzel, to United States of America, Navy. Mechanical isolation of hydrophones by hydroplanes. 3,354,860, 11–28–67, Cl. 114—235.

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Dale, Charley E. 3,336,051.

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D'Alelio, Gaetano F. Halogen-containing phosphonates. 3,325,569, 6–13–67, Cl. 260—932.

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Dalglish, James J., and E. W. Lager. Compass and inclinometer. 3,300,866, 1–31–67, Cl. 33—205.5.

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Dall, Edward D., deceased (B. L. Dall, administratrix). Seat with seat belts. 3,328,080, 6–27–67, Cl. 297—385.

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Damm, Charles C., to United States of America, Atomic Energy Commission. Process and apparatus for producing purified fast particle beams. 3,319,118, 5–9–67, Cl. 315—111.
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D'Andrea, Giuliano, to United States of America, Army. Laterally sliding breech block for loading large caliber gun. 3,355,988, 12–5–67, Cl. 89—45.

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Danhel, Antonin, M. Tochacek, and J. Sedlecky, to Elitex Sdruzeni Podniku Textilniko Strojirenstvi. Apparatus for reinforcing a fibrous material. 3,309,901, 3–21–67, Cl. 66—85.

Daniel, Alton E., to Ashland Oil & Refining Co. Densification of carbon black. 3,356,520, 12–5–67, Cl. 106—307.

Daniel, Benjamin S., to Techniservice Corp. Helically convoluted strand. 3,347,036, 10–17–67, Cl. 57—140.

Daniel, Benjamin S., to Techniservice Corp. Process and apparatus for treating stands. 3,358,344, 12–19–67, Cl. 28—1.

Daniel, Benjamin S., to Techniservice Corp. Process and apparatus for crimping strands. 3,358,345, 12–19–67, Cl. 28—1.

Daniel, David W., to National Broach & Machine Co. Serrated gear shaving tool. 3,300,833, 1–31–67, Cl. 29—103.

Daniel, David W., to National Broach & Machine Co. Incremental hob shift mechanism. 3,301,134, 1–31–67, Cl. 90—4.

Daniel, David W., to National Broach & Machine Co. Pot broach. 3,331,115, 7–18–67, Cl. 29—95.1.

Daniel, David W., to National Broach & Machine Co. Method and apparatus for producing a shaving cutter. 3,335,639, 8–15–67, Cl. 90—24.

Daniel, David W., and A. B. Bassoff, to National Broach & Machine Co. Gear shaving machine. 3,319,526, 5–16–67, Cl. 90—1.6.

Daniel, Emily M. Diaper with pleat for forming a feces bag. 3,322,122, 5–30–67, Cl. 128—284.

Daniel, Hermann F., and E. Angele, to Union Special Maschinenfabrik G.m.b.H. Needle plate or throat plate for chain stitch sewing machines. 3,313,259, 4–11–67, Cl. 112—260.

Daniel, James A., Jr. Camera viewfinder. 3,333,521, 8–1–67, Cl. 95—44.

Daniel, Lawrence J.: *See*—
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Daniel Orifice Fitting Co.: *See*—
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Daniel, Stewart W., and J. O. Bernt, to Milltronics Ltd. Analog computer grinding control. 3,314,614, 4–18–67, Cl. 241—30.

Daniele, Donald T., to Diamond International Corp. Retractable eccentric press. 3,318,762, 5–9–67, Cl. 162—394.

Danieli, Sten H., to Allmanna Svenska Elektriska Aktiebolaget. Marshalling yard retarder. 3,332,519, 7–25–67, Cl. 188—62.

Daniell, Alan F., to Cammell Laird and Co. (Shipbuilders and Engineers) Ltd. Shipbuilding & Engineering Works. Marine platforms and sea stations. 3,339,511, 9–5–67, Cl. 114—.5.

Daniels, Albert E.: *See*—
Crawford, Earle D., and Daniels. 3,357,601.

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Daniels, Curtice F., and C. F. Daniels, Jr. Apparatus for stacking sheets of veneer. 3,334,895, 8–8–67, Cl. 271—68.

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Daniels, Curtice F., and C. F. Daniels, Jr. 3,334,895.

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Daniels, Howard L., to Sperry Rand Corp. Head positioner for a magnetic data storage device. 3,353,167, 11–14–67, Cl. 340—174.1.

Daniels, James M. Soldering iron tip with vented solder capillary passage means. 3,316,384, 4–25–67, Cl. 219—233.

Daniels, John E., to Jeffrey Galion Mfg. Co. Pan conveyor. 3,331,490, 7–18–67, Cl. 198—196.

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Tolmie, Robert J., Locke, and Daniels. 3,339,276.

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Daniels, John F., and D. R. Locke, to Sperry Rand Corp. Oscillating electromagnetic motor. 3,343,011, 9–19–67, Cl. 310—21.

Daniels, Pascal B., and J. V. Morgia, to United Aircraft Corp. Low baked films resulting from sprayable mixtures. 3,312,-651, 4–4–67, Cl. 260—29.6.
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Daniels, Paul J. Dispensing cartons for stacked food items. 3,309,206, 3–14–67, Cl. 99—192.
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Averette, Thomas P. 3,358,569.
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Daniels, William A., Jr.: *See*—
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Daniels, William A., and W. A. Daniels, Jr. Bedrail. 3,351,961, 11–14–67, Cl. 5—331.
Danielsen, Sigurd P., E. H. Johnsen, and W. H. E. Widl, to Telefonaktiebolaget L M Ericsson. Level regenerating arrangement for transmission of bipolar signals. 3,304,508, 2–14–67, Cl. 328—164.
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Danielson, Evald P. Bumper bracket. 3,342,441, 9–19–67, Cl. 248—42.
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Danielson, Lincoln V., Jr., to Royal Typewriter Co., Inc. Margin stop regulating mechanism with margin stops mounted on control rails. 3,326,347, 6–20–67, Cl. 197—63.
Danielson, Lorraine T. Cover apparatus or the like. 3,295,-577, 1–3–67, Cl. 150—52.
Danielson, Oliver J., and C. E. Wilcox. Electrician's fish tape puller. 3,302,929, 2–7–67, Cl. 254—134.3.
Danielsson, Henning E., to Arenco Aktiebolag. Transport means and a transversely located discharge conveyor. 3,352,401, 11–14–67, Cl. 198—20.
Danielsson, Paul, to Arenco Aktiebolag. Arrangement with fish handling machines, designed to sort the fish into a definite orientation. 3,315,299, 4–25–67, Cl. 17—2.
Danielsson, Pers A. D. S., and L. H. Jugas. Plant for the hardening of shaped slabs. 3,323,662, 6–6–67, Cl. 214—16.4.
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Danin, Alex. Parking space guarding device. 3,316,677, 5–2–67, Cl. 49—254.
Danis, Francois, R. Cloppet, and J. Montanteme, to Societe d'Electro-Chimie d'Electro-metallurgie et des Acieries Electriques d'Ugine. Alloys for nitriding steel and method of nitriding steel. 3,356,493, 12–5–67, Cl. 75—134.
Danis, Louis J., to Eaton Mfg. Co. Method of making engine valve. 3,319,321, 5–16–67, Cl. 29—156.7.
Danis, Peter G., to Crown Zellerbach Corp. Fiberboard container. 3,335,934, 8–15–67, Cl. 229—23.
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Danisch, Edwin A. Insect and liquid fertilizer spray attachment for rotary lawn mowers. 3,334,475, 8–8–67, Cl. 56—25.4.
Danjes, Martin. Apparatus for biological purification of sewage water. 3,330,413, 7–11–67, Cl. 210—195.
Dankelmeier, Wilhelm, and W. Schumacher. Apparatus for dividing hardened piles of stone. 3,353,689, 11–21–67, Cl. 214—6.
Danker, Berend, to North American Philips Co. Inc. Receiver for the reception of AM signals and FM signals with tuning indication. 3,311,838, 3–28–67, Cl. 329—111.
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Thompson, Raymond, Brown, Silver, and Dann. 3,360,390.
Dannatt, Hugh, St. L., to Friden, Inc. Keyboard mechanism having latch means. 3,327,828, 6–27–67, Cl. 197—98.
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Dannebaum, Rex P. Frequency-dependent color television display. 3,313,881, 4–11–67, Cl. 178—5.4.
Dannelly, Clarence C., and J. R. Caldwell, to Eastman Kodak Co. Process for solution polymerization of acrylonitrile. 3,328,332, 6–27–67, Cl. 260—30.4.
Dannelly, Clarence C., and J. R. Caldwell, to Eastman Kodak Co. Process for solution polymerization of acrylonitrile. 3,328,333, 6–27–67, Cl. 260—30.4.
Dannelly, Clarence C., and J. R. Caldwell, to Eastman Kodak Co. Solution polymerization of acrylonitrile using a catalyst system comprising an oxidizing agent and silver vanadium or rhodium and salts thereof. 3,355,410, 11–28–67, Cl. 260—30.4.
Danner, Eugene G. Multi-receptacle electric outlet and mounting means. 3,297,886, 1–10–67, Cl. 307—112.
Danner, Eugene G. Valve. 3,305,210, 2–21–67, Cl. 251—214.
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Dano, Paul K., to United States of America, Navy. XY glow lamp display with switch from igniting to holding voltage. 3,356,898, 12–5–67, Cl. 315—297.
Danon, David, to Yeda Research and Development Co., Ltd. Method for measuring osmotic fragility of red blood corpuscles. 3,300,385, 1–24–67, Cl. 167—84.5.
Danowsky, John A. Semi-resilient arch support. 3,323,232, 6–6–67, Cl. 36—2.5.
Dansi, Franco, to Officine Dansi S.p.A. Fly-wheel magneto with hub incorporated therewith during casting. 3,307,-423, 3–7–67, Cl. 74—572.
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Danyluke, Ostap, to Bath Iron Works Corp. Impeller for centrifugal pulverizer. 3,346,203, 10–10–67, Cl. 241—275.
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Dapoz, August J., to ACF Industries, Inc. Connector rod linkage. 3,357,274, 12–12–67, Cl. 74—469.
D'Aquin, Esler L. Process for softening the shell portions of crustaceans for edible purposes. 3,346,395, 10–10–67, Cl. 99—111.
Darak, Michael S., Jr., to Rockwell-Standard Corp. Buffing wheel. 3,346,903, 10–17–67, Cl. 15—230.1.
Darby, Joseph R., and P. R. Graham, to Monsanto Co. Metal phosphite and benzophenone stabilized resin composition. 3,300,442, 1–24–67, Cl. 260—45.75.
Darby, Ronald A., to United States of America, Navy. Vibration generation and measurement. 3,320,796, 5–23–67, Cl. 73—67.1.
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Dardarian, Sahag, to The Bendix Corp. Photoelectric sun sensor device including an oscillating disc with a plurality of apertures therein. 3,308,299, 3–7–67, Cl. 250—203.
Dardelet, Robert L. Gas pumps and compressors of the liquid ring type. 3,303,991, 2–14–67, Cl. 230—79.
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Dardis, Gilbert W. License holding device. 3,304,642, 2–21–67, Cl. 40—209.
Da Re, Paolo, to Societe d'Exploitation Chimiques et Pharmaceutiques Seceph S.A. Process for preparing 3-methylflavone-8-carboxylic acid. 3,350,411, 10–31–67, Cl. 260—345.2.
Da Re, Paolo, and I. Setnikar, to Societe d'Exploitations Chimiques et Pharmaceutiques Seceph S.A. Ortho-diisopropylaminoethoxybutyrophenone and hydrochloride thereof. 3,335,184, 8–8–67, Cl. 260—570.7.
D'Arena, Ruggero A. Amphibious motor scooter. 3,359,937, 12–26–67, Cl. 115—1.

Dargene, Carl J., to Amerock Corp. Hinge adjusting tool. 3,319,934, 5–16–67, Cl. 254—131.
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Darigo, Julius, R. E. Dickey, and D. S. Reed, to Remington Arms Co., Inc. Process of forming jacketed projectiles. 3,349,711, 10–31–67, Cl. 102—91.
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Dario, Antonio. Process for producing inscriptions and decorations on plates of acrylic resins and derivatives, direct during their formation and plates so produced. 3,342,668, 9–19–67, Cl. 161—242.
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Powers, Robert A., Louzos, and Darland. 3,309,584.
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Darley, Reginald, and P. A. Barrett, to General Dynamics Corp. Potentiometer with lift-off wiper. 3,360,756, 12–26–67, Cl. 338—116.
Darling, Gertrude R. and W. V. Telephone guard. 3,301,969, 1–31–67, Cl. 179—189.
Darling, Horace E., to The Foxboro Co. Balanced magnetic amplification and process control apparatus. 3,351,851, 11–7–67, Cl. 323—89.
Darling, Horace E., to The Foxboro Co. Single-core balanceable magnetic amplifier. 3,358,221, 12–12–67, Cl. 323—89.
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Darling, Phillip H., to General Electric Co. Body signal pickup electrode. 3,340,868, 9–12–67, Cl. 128—2.06.
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Darling, Gertrude R. and W. V. 3,301,969.
Darlinger, Edward P., to The Babcock & Wilcox Co. Tube fitting arrangement for furnace bottom. 3,354,870, 11–28–67, Cl. 122—235.
Darlington, Henry S., Jr., to A. H. Wirz, Inc. Cap carried axial plug for a fluid dispenser. 3,308,999, 3–14–67, Cl. 222—546.
Darlington, Sidney, to Bell Telephone Laboratories, Inc. Sampled frequency modulation. 3,299,357, 1–17–67, Cl. 325—349.
Darlington, Sidney, to Bell Telephone Laboratories Inc. Reactive element amplifiers. 3,327,233, 6–20–67, Cl. 330—7.
Darlington, Sidney, to Bell Telephone Laboratories, Inc. Apparatus for interchanging time and frequency signals. 3,328,528, 6–27–67, Cl. 179—15.
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Darnell, Walter T., C. F. Fisher, and R. E. Maier, to E. I. du pont de nemours and Co. Monomeric ε-caprolactam compositions. 3,309,343, 3–14–67, Cl. 260—78.
Darnell, William L., to Darnell Corp., Ltd. Caster brake. 3,298,467, 1–17–67, Cl. 188—29.
Darnois, Andre, to Societe Generale du Vide-SOGEV. Sealed coaxial connector. 3,303,268, 2–7–67, Cl. 174—88.
Darpinian, Ernest V. Preservation of cut flowers. 3,328,157, 6–27–67, Cl. 71—2.7.
Darr, Herman. Frost prevention device. 3,314,191, 4–18–67, Cl. 47—2.
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Darrow, Kenneth A., and E. H. Hull, to General Electric Co. Preparation of elongated needle-like diamond having electrically conductive properties. 3,310,501, 3–21–67, Cl. 252—502.
Darrow, Kenneth A., and R. H. Wentorf, Jr., to General Electric Co. Process for doping a diamond in a gaseous electrical discharge. 3,317,354, 5–2–67, Cl. 148—1.5.
Darrow, Kenneth A., and E. H. Hull, to General Electric Co. Electrical discharge cleaning and coating process. 3,325,393, 6–13–67, Cl. 204—192.
Darrow, Turner H. Minnow dipper. 3,354,575, 11–28–67, Cl. 43—56.
Darrow, Wendell L., and C. Hsiao, to FMC Corp. Refining of ferrophos. 3,305,355, 2–21–67, Cl. 75—132.
Darst, Robert J., to W. A. Sheaffer Pen Co. Marking implement. 3,356,440, 12–5–67, Cl. 15—517.
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Dart, William A., to Dart Mfg. Co. Method for forming foamed plastic article. 3,355,530, 11–28–67, Cl. 264—51.
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Darvie, Bernard A. Detachable ornamental cover for a shirt button. 3,343,230, 9–26–67, Cl. 24—113.
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Dascanio, Adolfo, to Southwest Welding & Mfg. Co. Transportable water tower. 3,352,461, 11–14–67, Cl. 222—160.
Das Chaklader, Asoke C., and L. G. McKenzi, to Canadian Patents and Development Ltd. Process for manufacturing clay products. 3,348,957, 10–24–67, Cl. 106—67.
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Dash, Evelyn M.: *See*—
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Dash, William C., deceased (by E. M. Dash, executrix), and E. A. Taft, Jr., to General Electric Co. Epitaxial growth of semiconductor devices. 3,316,130, 4–25–67, Cl. 148—175.
Dasher, George F., and F. Presant, to Clairol Inc. Hair treating compositions containing a saturated hydrocarbon as a moisture-barrier material. 3,346,457, 10–10–67, Cl. 167—87.1.
Dashio, John C., 33⅓ to W. B. Jaspert. Combined wall and awning structure. 3,341,180, 9–12–67, Cl. 256—1.
Dashio, John C., 33⅓ to W. B. Jaspert. Combined wall and awning structure. 3,346,238, 10–10–67, Cl. 256—24.
Da Silva, Herman, to De Staat der Nederlanden, ten Deze Vertegenwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. Telecommunication system for producing service signals. 3,310,627, 3–21–67, Cl. 178—113.
Da Silva, Herman, to De Staat der nederlanden, ten Deze vertegeniwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. Error correcting tape telecommunication system. 3,317,667, 5–2–67, Cl. 178—23.
Da Silva, Herman, to De Stadt Nederlanden ten Deze Vertegenwoordigd Door de Directeur-Generaal der Posterijen Telegrafie en Telefonie. Simplex telegraph system with break-in facility. 3,321,573, 5–23–67, Cl. 178—2.
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Da Silver Valerio, Fernando. Recorder actuated fluid delivery system. 3,329,312, 7–4–67, Cl. 222—30.
Dasovic, Steve Z., and H. G. R. Wolf. Plastic cabinet. 3,301,622, 1–31–67, Cl. 312—245.
Daspit, Ronald A. Pipe coupling for high-pressure gas and oil underwater pipe lines, and process of installing same. 3,352,575, 11–14–67, Cl. 285—45.
Dasse, Lester F., to Lambert Brake Corp. Beryllium containing friction element. 3,306,401, 2–28–67, Cl. 188—251.
Dassesse, Pierre, and R. Dechenne, to Solvay & Cie. Polymerization of propylene in the presence of a catalyst consisting of the reaction product of a transition metal halide with sulfur and an organoaluminum compound. 3,326,878, 6–20–67, Cl. 260—93.7.
Dassesse, Pierre, and R. Dechenne, to Solvay & Cie. Process and catalyst for the polymerization of olefins. 3,356,668, 12–5–67, Cl. 260—93.7.
Dassinger, Carl C., and R. L. Hageny. Set of interchangeable utility apparatuses. 3,350,797, 11–7–67, Cl. 37—53.

Dassler, Adolf. Sport shoe, especially for football. 3,341,952, 9–19–67, Cl. 36—2.5.
Dastoli, Joseph, W. Dehnel, and L. J. Halepas. Separable aircraft. 3,298,633, 1–17–67, Cl. 244—2.
Data Corp.: *See*—
Cahill, Lysle D. 3,307,020.
Data Instruments Division: *See*—
Kozak, Andrew F. 3,304,994.
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Lyman, George F. 3,307,689.
Lyman, George F. 3,338,421.
Mathus, Gregory. 3,343,666.
Mathus, Gregory. 3,357,546.
Palson, Richard C. J., Gelardi, and Mathus. 3,349,898.
Data Products Corp.: *See*—
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Ott. Owen J. 3,320,434.
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Date, Kazuo H., to McGraw-Edison Co. Repeating circuit interrupter. 3,309,573, 3–14–67, Cl. 317—22.
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Burne, Frederick A., and Date. 3,339,260.
Date, Tasuku, to Kabushiki Kaisha Honda Gijutsu Kenkyusho. Carburetor. 3,329,413, 7–4–67, Cl. 261—41.
Date, Tasuku, and R. Kajikawa, to Kabushiki Kaisha Honda Gijutsu Kenkyusho. Carburetor. 3,342,463, 9–19–67, Cl. 261—44.
Dates, Harold F., and J. K. Davis, to Corning Glass Works. 3,331,702, 7–18–67, Cl. 117—211.
Datow, Joachim: *See*—
Koenig, Karl-Heinz, Datow, Pommer, Jung, and Scholz. 3,301,902.
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Stewart, Alfred W. 3,360,259.
Datt, Paul L.: *See*—
Schmitt, David L., and Datt. 3,302,446.
Dattilo, Anthony W.: *See*—
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Datwyler, Walter F., Jr., E. A. Mayer, and L. B. Taplin, to The Bendix Corp. Fluid device. 3,351,080, 11–7–67, Cl. 137—81.5.
Dau, John J. Dimensionally stable laminated wooden work surface. 3,314,206, 4–18–67, Cl. 52—415.
Daubenberger, Charles J., to Daco Rubber, Inc. Press molding apparatus. 3,343,217, 9–26–67, Cl. 18—16.
Daubert Chemical Co.: *See*—
Wollek, Raymond F., and Guerra. 3,313,635.
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Barkalow, Clare E., and Daubert. 3,318,161.
Daubitz, Walter F., to Oxford Precision, Inc. Collet indexing and grinding fixture. 3,298,141, 1–17–67, Cl. 51—217.
Daubitz, Walter F., to Oxford Precision, Inc. Work holding and centering means. 3,315,419, 4–25–67, Cl. 51—237.
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Poppinger, Herbert, Volkmann, and Daubler. 3,354,375.
Daubresse, Guy, B. Froman, and J. Jordi, to Babcock & Wilcox, Ltd. Ultrasonic testing apparatus. 3,323,354, 6–6–67, Cl. 73—67.8.
Dauby, Robert, and P. Teyssie, to Institut Francais du Petrole des Carburants et Lubrifiants. Process for the stereospecific polymerization of butadiene in an aqueous emulsion. 3,303,156, 2–7–67, Cl. 260—29.7.
Dauchert, Eugene F., to E. I. du Pont de Nemours and Co. Apparatus for applying liquid to moving continuous filament yarn. 3,336,901, 8–22–67, Cl. 118—411.
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D'Audiffret, Adolphe A., and J. J. Tomcik, to Aqua Ran Water Supplies, Inc. Apparatus for cleaning infiltration type water collector. 3,312,284, 4–4–67, Cl. 166—171.
Dauenbaugh, Robert L., and R. K. Unter, to National Lock Co. Pop-out handle and lock assembly. 3,302,434, 2–7–67, Cl. 70—208.
Dauenhauer, Florian F., and T. H. Frazer. Hop picking machine. 3,316,916, 5–2–67, Cl. 130—30.
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Daufenbach, Gottfried, to Spinnfaser Aktiengesellschaft. Vacuum drum dryer combination with fiber guiding devices. 3,332,155, 7–25–67, Cl. 34—115.
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Daugherty, Frank J. Pipe tapping machines. 3,357,445, 12–12–67, Cl. 137—318.
Daugherty, Frank Z., to Ametek, Inc. Rotary actuator. 3,332,303, 7–25–67, Cl. 74—801.
Daugherty, Hugh L. Chalk board clip. 3,337,926, 8–29–67, Cl. 24—84.
Daugherty, Jesse, to Giddings & Lewis Machine Tool Co. Machine tool with automatic tool changing apparatus. 3,300,856, 1–31–67, Cl. 29—568.
Daugherty, Jesse, to Giddings & Lewis Machine Tool Co. Facing head attachment and drive mechanism therefor. 3,311,003, 3–28–67, Cl. 82—2.
Daugherty, Jesse, to Giddings & Lewis Machine Tool Co. Rotary actuator power drawbolt for machine tool spindles. 3,311,024, 3–28–67, Cl. 90—11.
Daugherty, Jesse, to Giddings & Lewis Machine Tool Co. Enclosure for automatic tool changer and machine tool. 3,355,799, 12–5–67, Cl. 29—568.
Daugherty, Jesse, to Giddings & Lewis Machine Tool Co. Machine tool headstock. 3,355,800, 12–5–67, Cl. 29—568.
Daughters, Harold H., to Kaiser Steel Corp. Method for identifying selective sections of a metallic material. 3,296,689, 1–10–67, Cl. 29—407.
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Daunt, John G.: *See*—
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Daunt, John G., to Malaker Laboratories, Inc. Dynamic flash production of hydrogen slush. 3,354,662, 11–28–67, Cl. 62—10.
Dauphinee, Thomas M., to National Research Council. Direct reading potentiometer. 3,297,939, 1–10–67, Cl. 323—43.5.
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Rettig, August, Schmidts, and Daur. 3,321,563.
Dauser, William C. Color control method. 3,322,025, 5–30–67, Cl. 88—14.
Dauser, William C. Multi-color lamp. 3,345,509, 10–3–67, Cl. 240—20.
Dautch, Lewis B., to The Birge Co., Inc. Wallpaper sample book holder. 3,315,936, 4–25–67, Cl. 248—460.
Dautreppe, Daniel, E. Friess, and A. Salvi, to Commissariat a l'Energie Atomique. Apparatus for measurement of the characteristics of internal friction. 3,313,148, 4–11–67, Cl. 73—99.
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Dave, Sharad M., to Eaton Yale & Towne Inc. Control mechanism. 3,359,042, 12–19–67, Cl. 303—21.
Davee, Robert L., and D. V. Louzos, to Union Carbide Corp. Cylindrical rechargeable battery having expanded metal grid with bond joints being bent flatwise. 3,310,437, 3–21–67, Cl. 136—13.
D'Avella, Benjamin A. Radiation-proof strip for wall and ceiling panel having a groove formed by two bifurcations. 3,299,270, 1–17–67, Cl. 250—108.
Davenport, David L., to D & G Plastics Co. Toggle ring tube coupling. 3,312,484, 4–4–67, Cl. 285—340.
Davenport, Donald A., and R. Schubach, to Avtron Mfg., Inc. Low rise time surge testing apparatus. 3,328,683, 6–27–67, Cl. 324—51.
Davenport, Edward D. Scroll type reference guide. 3,350,806, 11–7–67, Cl. 40—336.
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Wanless, William F., and Davenport. 3,304,060.

Davenport, John E., and F. Carroll, to Tennessee Valley Authority. Phosphoric acid manufacture. 3,326,635, 6–20–67, Cl. 23—165.

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Davenport, William H., to Chase Brass and Copper Co., Inc. Recovery of rhenium values. 3,348,942, 10–24–67, Cl. 75—62.

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Davey, Donald G., and W. A. Stutske, to Owens-Illinois, Inc. Molten glass feeder tube centering and drive. 3,334,986, 8–8–67, Cl. 65—324.

Davey, Frederick P.: *See*—
Smith, Brian, and Davey. 3,329,544.

Davey, Gerald F., to Riley Stoker Corp. Furnace wall. 3,299,597, 1–24–67, Cl. 52—483.

Davey, Joseph: *See*—
Tapp Geoffrey E. E., and Davey. 3,301,572.

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Davey, Thomas R. A., to Metallurgical Processes Ltd. and The National Smelting Co. Ltd. Copper drossing. 3,317,-311, 5–2–67, Cl. 75—78.

Davey, Thomas R. A., to Metallurgical Processes Ltd. and Imperial Smelting Corp. (N.S.C.) Ltd., d.b.a. Metallurgical Development Co. Dezincing of lead. 3,360,362, 12–26–67, Cl. 75—78.

Daviau, Jerome G. Vacuum evaporator of the ejector pump type. 3,352,348, 11–14–67, Cl. 159—5.

David, Charles A. M., to Compagnie des Machines Bull (Societe Anonyme). Storage circuit employing tunnel diode, transistor and input transformer connected in series. 3,300,657, 1–24–67, Cl. 307—88.5.

David, Clarence V., V. C. Kamm, and J. R. Wilkinson, to The Bendix Corp. Apparatus for driving a plurality of display tubes. 3,343,032, 9–19–67, Cl. 315—84.6.

David, Claude L. Saw blade attaching means. 3,329,186, 7–4–67, Cl. 145—33.

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Nichols, Victor L., and Garshelis. 3,357,649.

David, David J. Baseball stance and stride practice plate. 3,342,487, 9–19–67, Cl. 273—26.

David, Frank A., to Owens-Illinois Inc. Shipping reel. 3,307,802, 3–7–67, Cl. 242—118.8.

David, George. Portable space flood alarm. 3,310,795, 3–21–67, Cl. 340—244.

David, Paul: *See*—
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David, Paul A., and H. L. Lenz. Unitized stamp set. 3,311,-227, 3–28–67, Cl. 206—47.

David, Robert J., to The American Grandby Co. Hydropneumatic tank float. 3,357,591, 12–12–67, Cl. 220—26.

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Beck, Roland D., David, Davis, Doyle, and Geiger. 3,358,-915.

Davidoff, Charles. Silver recovery process. 3,311,468, 3–28–67, Cl. 75—108.

Davidoff, Frank: *See*—
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Davidovic, Vlastimir. Regeneratively cooled gas turbines. 3,302,397, 2–7–67, Cl. 60—39.16.

Davidovits, Paul: *See*—
Novick, Robert, and Davidovits. 3,304,516.

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Davidowich, George, and M. W. Leeds, to Air Reduction Co., Inc. Hydrogen-embrittlement-inhibition with propargyl benzylamine and alkyl pyridines. 3,335,089, 8–8–67, Cl. 252—148.

Davidowich, George, and M. W. Leeds, to Air Reduction Co., Inc. Corrosion inhibition with propargyl benzylamine. 3,335,090, 8–8–67, Cl. 252—148.

Davidowich, George, and M. W. Leeds, to Air Reduction Co., Inc. Hydrogen-embrittlement-inhibition with propargylbenzylamine and ethylene oxide adduct of phenylbutynol. 3,337,469, 8–22–67, Cl. 252—148.

Davidowich, George, and M. W. Leeds, to Air Reduction Co., Inc. Corrosion inhibition with propargyl cyclohexylamine. 3,337,470, 8–22–67, Cl. 252—148.

Davidowich, George, and M. W. Leeds, to Air Reduction Co., Inc. Hydrogen-embrittlement-inhibition with 1-ethynylcyclohexanol-1. 3,340,197, 9–5–67, Cl. 252—146.

Davidowich, George, and M. W. Leeds, to Air Reduction Co., Inc. Hydrogen-embrittlement-inhibition with propargyl benzylamine and 1-chloro-1-hexyn-3-ol. 3,340,198, 9–5–67, Cl. 252—148.

Davidowich, George, and M. W. Leeds, to Air Reduction Co., Inc. Corrosion inhibition with morpholinopropyne. 3,345,-299, 10–3–67, Cl. 252—148.

Davidowitz, Herman and J. Method for manufacture of neckties. 3,358,291, 12–19–67, Cl. 2—146.

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Davids, Hugh H., and W. R. Laitinen, to General Electric Co. AFC disabling system operative by reducing the D.C. discriminator output to zero. 3,343,092, 9–19–67, Cl. 325—346.

Davids, John H.: *See*—
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Davidse, Jan, to North American Philips Co., Inc. Circuit arrangement for use in a colour television receiver for producing three colour signals. 3,328,517, 6–27–67, Cl. 178—5.4.

Davidse, Jan, to North American Philips Co., Inc. Circuit arrangement for use in colour television receivers. 3,333,-059, 7–25–67, Cl. 178—5.4.

Davidson, Alastair R., to Reed Paper Group Ltd. Gutter support brackets. 3,331,574, 7–18–67, Cl. 248—48.2.

Davidson, Andrew D., and E. D. Robertson. Clear plastic fuel manifold. 3,331,392, 7–18–67, Cl. 137—559.

Davidson, Charles R., Jr.: *See*—
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Wheeler, Robert W., and Davidson. 3,341,313.

Davidson, Clarence O. Nut gathering apparatus. 3,308,613. 3–14–67, Cl. 56—328.

Davidson, Clarence O. Conveyor for fragile articles. 3,332,-537, 7–25–67, Cl. 198—201.

Davidson, Donald E., to Davidson Optronics, Inc. Optical instrument for measuring relative angular displacement of two objects about a twist axis. 3,302,512, 2–7–67, Cl. 88—14.

Davidson, Eugene M., to Hudson Engineering Corp. Method and apparatus for the manufacture of foamed plastic tubing. 3,353,244, 11–21–67, Cl. 264—51.

Davidson, Frank S.: *See*—
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Davidson, Gareth M., and F. Meyer, to American Bosch Arma Corp. Accelerometer. 3,329,027, 7–4–67, Cl. 73—517.

Davidson, Hugh W., and H. H. W. Losty, to The General Electric Co. Ltd. Electrostatic clutches. 3,343,635, 9–26–67, Cl. 192—21.5.

Davidson, Ian, to United Kingdom Atomic Energy Authority. Nuclear reactors. 3,322,639, 5–30–67, Cl. 176—44.

Davidson, Jack M., to General Motors Corp. Control knob for washing machines and other domestic appliances. 3,342,082, 9–19–67, Cl. 74—553.

Davidson, James R., and R. M. Pierce, to Xerox Corp. Automatic toner control system. 3,348,523, 10–24–67, Cl. 118—7.

Davidson, James W.: *See*—
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Davidson, John L., to Duralast Containers Ltd. Aluminum pressure vessel. 3,307,730, 3–7–67, Cl. 220—3.

Davidson, Julian S. Self-kindling charcoal briquets. 3,352,651, 11–14–67, Cl. 44—10.

Davidson, Karl A.: *See*—
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Davidson, Kenneth H.: *See*—
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Davidson, Leo R. and R. L. Machine for mechanically finishing workpieces. 3,341,979, 9–19–67, Cl. 51—164.

Davidson, Louis. Load-bearing industrial pallet. 3,351,028, 11–7–67, Cl. 108—56.

Davidson, Louis H. Head rest. 3,346,934, 10–17–67, Cl. 29—91.1.

Davidson, Merl L.: *See*—
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Davidson Optronics, Inc.: *See*—
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Davidson, Ralph L., and S. A. Schmidt, to Curtis & Marble Machine Co. Apparatus for preparation of textile fabrics for processing. 3,322,363, 5–30–67, Cl. 242—58.1.

Davidson, Ralph L., and E. F. Kurtz, Jr., to Curtis & Marble Machine Co. Rolling head. 3,334,834, 8–8–67, Cl. 242—65.

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Woodward, Paul E., Davidson, and Zingg. 3,336,982.

Davidson, Richard L.: *See*—
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Davidson, Robert E. Transportation system and method 3,352,438, 11–14–67, Cl. 214—38.

Davidson, Robert S.: *See*—
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Reynolds. William G., and Davidson. 3,338,462.

Davidson, Robert W., to American Machine & Foundry Co. Cargo restraining methods and devices. 3,312,181, 4–4–67, Cl. 105—369.

Davidson, Robert W., to American Machine & Foundry Co. Cargo handling apparatus. 3,334,718, 8–8–67, Cl. 193—38.

Davidson Rubber Co., Inc.: *See*—
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Davidson, Thomas L., and K. D. Bixler, to Diamond International Corp. Display and packaging tray and blank for producing the same. 3,330,465, 7–11–67, Cl. 229—34.

Davidson Voigt Engineering Corp.: *See*—
Voigt, Wallace D., and Davidson. 3,328,904.

Davidson, William E., to General Electric Co. Electric fire starter. 3,334,214, 8–1–67, Cl. 219—261.

Davie, William R., to United States Steel Corp. Maleic anhydride-tertiary amine adduct foaming agent. 3,298,971, 1–17–67, Cl. 260—2.5.

Davie, William R., to United States Steel Corp. Self-extinguishing pitch foams. 3,353,978, 11–21–67, Cl. 106—275.
Davies, Alwyn G., to M & T Chemicals, Inc. Triorganotin carbodiimides and isoureas and the preparation thereof. 3,347,890, 10–17–67, Cl. 260—429.7.
Davies, Beaumont J., to George Richards & Co., Ltd. Motor control system having a counter responsive to a modulated pulse train. 3,320,501, 5–16–67, Cl. 318—18.
Davies, Ben: *See*—
Havranek, Peter H., and Davies. 3,312,557.
Weaver, Ernest P., and Davies. 3,351,476.
Davies, Ben, to Harbison-Walker Refractories Co. Degree of direct bonding in brick of magnesia and chrome ore. 3,321,-323, 5–23–67, Cl. 106—59.
Davies, Ben, and D. C. Hanson, to Harbison-Walker Refractories Co. Glass tank structure with a regenerator chamber. 3,326,541, 6–20–67, Cl. 263—15.
Davies, Charles. Air diffuser. 3,308,745, 3–14–67, Cl. 98—40.
Davies, David O., D. M. Anley, and C. H. Briggs, to Rolls-Royce Ltd. Gas turbine lubrication systems. 3,296,793, 1–10–67, Cl. 60—39.08.
Davies, David O., and A. Parker, to Rolls-Royce Ltd. Fuel purging system for gas turbine engines. 3,344,602, 10–3–67, Cl. 60—39.28.
Davies, Duncan S., and D. C. Jones, to Imperial Chemical Industries Ltd. Process for the reductive dimerization of acrylonitrile. 3,356,708, 12–5–67, Cl. 260—465.8.
Davies, Evan D. Water saving device for water closets. 3,344,439, 10–3–67, Cl. 4—40.
Davies, Geoffrey G. J.: *See*—
Nelson, Philip H., and Davies. 3,331,595.
Davies, Geoffrey N.: *See*—
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Davies, Glyn T., to Rolls-Royce Ltd. Aerofoil blade for use in a hot fluid stream. 3,315,941, 4–25–67, Cl. 253—77.
Davies, Ivor J., to Teleflex Products Ltd. Safety harnesses. 3,321,246, 5–23–67, Cl. 297—389.
Davies, Ivor J., to Teleflex Products Ltd. Safety harnesses for vehicle occupants. 3,351,382, 11–7–67, Cl. 297—389.
Davies, Ivor J., and J. E. Humby, to Teleflex Products Ltd. Safety harnesses. 3,321,244, 5–23–67, Cl. 297—388.
Davies, Miles A., to Columbia Machine, Inc. Concrete block forming machine with pneumatic vibration. 3,343,239, 9–26–67, Cl. 25—41.
Davies, Paul M., to TRW Inc. Self searching memory. 3,296,599, 1–3–67, Cl. 340—173.1
Davies, Paul M., to TRW Inc. Associative computer. 3,320,-594, 5–16–67, Cl. 340—172.5.
Davies, Phillips S., ½ to L. Baxter. Tissue dispensing and disposal device. 3,331,498, 7–18–67, Cl. 206—57.
Davies, Phineas: *See*—
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Davies, Phineas, and F. F. Snowdon, to Imperial Chemical Industries Ltd. Production of oxygenated hydrocarbons. 3,326,956, 6–20–67, Cl. 260—449.5.
Davies, Raymond D., to Crown Zellerbach Canada Ltd. Method of determining the moisture content of thin porous materials. 3,350,789, 11–7–67, Cl. 34—30.
Davies, Richard G.: *See*—
Richman, Roger H., and Davies. 3,336,170.
Davies, Robert W., to The Molins Organisation Ltd. Mechanism for producing and applying tear strips. 3,354,019, 11–21–67, Cl. 156—519.
Davies, Roy E., to Leeds & Northrup Co. Expendable immersion temperature responsive unit. 3,298,874, 1–17–67, Cl. 136—232.
Davies, Stanley, to British Nylon Spinners Ltd. Yarn stringing up process. 3,323,191, 6–6–67, Cl. 28—72.
Davies, Theodore E., to The North American Mfg. Co. Method and apparatus for scale free heating of metals. 3,331,594, 7–18–67, Cl. 263—15.
Davies, Trevor, N. Fletcher, and J. E. McIntyre, to Imperial Chemical Industries Ltd. Process for manufacturing linear fiber and film forming polyesters by polycondensation in the presence of a titanium alkoxide catalyst and a germanium compound. 3,346,541, 10–10–67, Cl. 260—75.
Davies, William A. M., to Biorex Laboratories Ltd. Derivatives of glycyrrhetinic acid and process for the preparation thereof. 3,311,613, 3–28–67, Cl. 260—239.3.
Davies, William J., R. Allen, and J. K. Rhodes, to Rolls-Royce Ltd. Gas turbine lubrication. 3,321,910, 5–30–67, Cl. 60—39.08.
Davignon, Roland E. Ski scooter. 3,328,045, 6–27–67, Cl. 280—21.
Davila, Eugene. Method of packaging purified graphite and the package formed thereby. 3,308,943, 3–14–67, Cl. 206—84.
Davin, Donald R., to Blaw-Knox Co. Bituminous paving apparatus. 3,316,821, 5–2–67, Cl. 94—46.
Davis, Agnes E., and A. M. Sookne, to Gillette Research Institute, Inc. Continuous process for bleaching pigmented keratinous fibers. 3,350,160, 10–31–67, Cl. 8—102.
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Davis, Albert, to Best Plastics, Inc. Detachable bead having two part insert. 3,357,204, 12–12–67, Cl. 63—2.
Davis, Allen V. C. Electrical switch with phased contact operation. 3,349,201, 10–24–67, Cl. 200—67.
Davis, Alonza J., to United States of America, National Aeronautics and Space Administration. Fiber optic vibration transducer and analyzer. 3,310,978, 3–28–67, Cl. 73—70.2.
Davis, Alva R., Jr.: *See*—
Beck, Roland D., David, Davis, Doyle, and Geiger. 3,341,-115.
Beck, Roland D., David, Davis, Doyle, and Geiger. 3,358,-915.
Davis, Aubrey, Jr., to Gaco Western, Inc. Synthetic elastomeric coated roof surface and methods of applying it. 3,314,205, 4–18–67, Cl. 52—309.
Davis, Bayard C. Connector assembly. 3,315,214, 4–18–67, Cl. 339—94.
Davis, Bayard C., A. Singer, and M. T. Chapman, Jr., to Continental Sensing, Inc. Method of making shielded conductors. 3,353,260, 11–21–67, Cl. 29—573.
Davis, Bill, to United States of America, Air Force. Polysulfonamide chemical intermediates for adhesives and resins. 3,330,865, 7–11–67, Cl. 260—556.
Davis, Buell L., to Rollett Mfg., Inc. Towel winder. 3,306,-544, 2–28–67, Cl. 242—55.
Davis, Carey L. Tractor having hydraulic drive and controls. 3,324,964, 6–13–67, Cl. 180—6.48.
Davis, Charles A., to W. J. Young Machinery Co., Inc. Nail feed mechanism. 3,325,051, 6–13–67, Cl. 221—93.
Davis, Charles C., to Cutler-Hammer, Inc. Pushbutton selector switches. 3,303,295, 2–7–67, Cl. 200—5.
Davis, Charles F., Jr., and A. M. Lueck, to Texas Instruments Inc. Point contact diode. 3,308,355, 3–7–67, Cl. 317—236.
Davis, Charles H., to Jas. H. Matthews & Co. Marker for printing on curved surfaces. 3,338,162, 8–29–67, Cl. 101—379.
Davis, Charles H., and W. L. Burns, to Arizona Agrochemical Corp. Discrete fertilizer granule containing a urea compound, sulfur and a phosphate plant food. 3,333,939, 8–1–67, Cl. 71—29.
Davis, Charles J. Heavy self-propelled work performing vehicle. 3,321,212, 5–23–67, Cl. 280—43.23.
Davis, Charles J., to Daco Products, Inc. Flower holder. 3,336,-697, 8–22–67, Cl. 47—41.12.
Davis, Charles W., to Texaco Inc. Fuel injection pump. 3,338,-168, 8–29–67, Cl. 103—2.
Davis, Chester. Amino-fluorene-compounds and process for the preparation thereof. 3,344,189, 9–26–67, Cl. 260—576.
Davis, Claude G., E. E. Sumner, and L. C. Thomas, to Bell Telephone Laboratories, Inc. Data transmission. 3,300,-578, 1–24–67, Cl. 178—3.
Davis, Claude G., W. K. Freeman, and J. W. Phelps; said Davis, and said Philps assors. to Bell Telephone Laboratories, Inc., and said Freeman assor. to Simplex Wire and Cable Co. Method and apparatus for manufacturing composite conductors. 3,328,874, 7–4–67, Cl. 29—470.5.
Davis, Claude G., and L. C. Thomas, to Bell Telephone Laboratories, Inc. Binary data rate reconstruction. 3,335,222, 8–8–67, Cl. 178—50.
Davis, Claude G., and L. C. Thomas, to Bell Telephone Laboratories, Inc. Data transmission. 3,353,158, 11–14–67, Cl. 340—172.5.
Davis, Claude R. Golf cart umbrella attachment. 3,304,035, 2–14–67, Cl. 248—40.
Davis, Claude R. Golf cart umbrella mounting attachment. 3,304,036, 2–14–67, Cl. 248—41.
Davis, Daniel H., Jr., to Burroughs Corp. Document stacking apparatus. 3,325,165, 6–13–67, Cl. 271—71.
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Davis, David R., to V and W Aircraft Castings, Inc. Hydro legs for boats. 3,313,261, 4–11–67, Cl. 114—66.5.
Davis, David R., to United States of America. Stator casing construction for gas turbine engines. 3,325,087, 6–13–67, Cl. 230—114.
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Davis, Dhu A. J., to Hermetic Coil Co., Inc. Hair clipper. 3,357,101, 12–12–67, Cl. 30—210.
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Davis, Edwin D. Thermionic converter. 3,328,611, 6–27–67, Cl. 310—4.

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Davis, Frank L. Retracting web reel with web tensioning ratchet wrench and ratchet for holding tensioned web. 3,312,451, 4–4–67, Cl. 254—164.

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Davis, Frederick B., III, to Leeds & Northrup Co. FSK. system with keying rate conveying analog information and the frequencies keyed between conveying digital information. 3,323,061, 5–30–67, Cl. 325—30.

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Davis, George D., E. J. Frederick, H. W. Godbee, and J. M. Holmes, to United States of America, Atomic Energy Commission. Concentration and containment of radioactivity from radioactive waste solutions in asphalt. 3,298,961, 1–17–67, Cl. 252—301.1.

Davis, George D., and E. C. Makin, to Monsanto Co. Extraction distillation of hydrocarbon mixtures of varying unsaturation. 3,350,282, 10–31–67, Cl. 203—54.

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Davis, George M., to Dygert & Stone, Inc. Jar closure. 3,327,752, 6–27–67, Cl. 150—52.

Davis, Gordon P., and H. A. Benbow, to Electric & Musical Industries Ltd. Image intensifier having continuous conducting layer between porous metallic coating and luminescent layer. 3,350,594, 10–31–67, Cl. 313—94.

Davis, Harry E. Method and apparatus for producing plastic tubing. 3,350,251, 10–31–67, Cl. 156—218.

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Davis, Harvey L., R. M. Schultz, and A. B. Anderson, to Bishop Freeman Co. Press cover assembly. 3,341,954, 9–19–67, Cl. 38—66.

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Davis, Hunt, to Worthington Corp. Centrifugal pump to provide jet propulsion. 3,348,514, 10–24–67, Cl. 114—66.5.

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Davis, John A., Jr., and R. W. Olson, to Marathon Oil Co. Oil recovery process utilizing liquefied petroleum gases and heavier hydrocarbons. 3,356.138, 12–5–67, Cl. 166—9.

Davis, John B., to Mobil Oil Co. Microbial process of producing electricity. 3,305,399, 2–21–67, Cl. 136—86.

Davis, John B., to Mobil Oil Corp. Method for analyzing soil gas. 3,307,912, 3–7–67, Cl. 23—232.

Davis, John B., and H. F. Yarbrough, to Mobil Oil Corp. Biochemical fuel cell. 3,331,705, 7–18–67, Cl. 136—86.

Davis, John B., and H. F. Yarbrough, to Mobil Oil Corp. Microbial oxygenated fuel cell. 3,331,848, 7–18–67, Cl. 136—86.

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Davis, John H., and L. E. Needles, to United States of America, Navy. Latitude-longitude computer. 3,308,278, 3–7–67, Cl. 235—150.27.

Davis, John K.: *See*—
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Davis, John S., and P. E. Wells, to The Bunker-Ramp Corp. Woven screen magnetic storage matrix. 3,300,767, 1–24–67, Cl. 340—174.

Davis, John V., to The Udylite Corp. Conveying apparatus. 3,301,418, 1–31–67, Cl. 214—89.

Davis, John V., L. J. Minbiole, Jr., and E. H. Zinke, to The Udylite Corp. Conveying apparatus incorporating rotary transfer mechanism. 3,307,720, 3–7–67, Cl. 214—89.

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Davis, Lynn N., to United Steel and Wire Co. Nesting shopping carrier. 3,353,836, 11–21–67, Cl. 280—33.99.

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Davis, Marvin F., to The Greif Bros. Comperage Corp. Process of heat sealing a neck for blow molded drum liner. 3,303,248, 2–7–67, Cl. 264—98.
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Davis-Ratcliffe, Peter D., to Gullick Ltd. Pivotal supporting devices particularly for mine roof supports. 3,309,054, 3–14–67, Cl. 248—354.
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Davis, Richard H., ½ jointly to E. A. Ernst, and M. Etcheverry. Feed forming device. 3,304,854, 2–21–67, Cl. 100—98.
Davis, Richard M. Teaching apparatus. 3,324,577, 6–13–67, Cl. 35—48.
Davis, Richard M. Teaching apparatus. 3,344,536, 10–3–67, Cl. 35—48.
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Davis, Robert K., to Portable Electric Tools, Inc. Drive mechanism for use in saws and the like. 3,309,932, 3–21–67, Cl. 74—44.
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Davis, Thomas D., and A. D. Watson, to Nordberg Mfg. Co. Crusher feeding method and apparatus. 3,329,356, 7–4–67, Cl. 241—202.
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Davis, Warren E., and E. A. McAbee, to E. I. du Pont de Nemours and Co. Process for preparation of flannel fabrics from synthetic fibers. 3,302,265, 2–7–67, Cl. 28—76.
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Delahunt, John F., to Esso Research and Engineering Co. Cathode for anodic protection system. 3,317,415, 5–2–67, Cl. 204—196.
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De Lisle, Auguste L., deceased, by F. S. de Lisle, executrix, to University of Arizona Foundation. Countercurrent rotary leaches with spiral scoop solids conveyors. 3,297,410, 1–10–67, Cl. 23—269.
De Lisle, Auguste L., deceased (by F. S. de Lisle, heir). Means and method for defluoridation of water. 3,337,453, 8–22–67, Cl. 210—46.
De Lisle, Auguste L., to Phoenix Gems, Inc. Method of controlling insects in cow barns and the like areas. 3,350,264, 10–31–67, Cl. 167—14.
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De Lorenzo, Eugene J., and R. V. Wright, to United States of America, Air Force. Method for preparation of reaction products of decaborane and conjugated diolefins. 3,301,907, 1–31–67, Cl. 260—606.5.
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Del Perugia, Andre. Method, apparatus and machine for delimbing and sectioning a standing tree. 3,356,113, 12–5–67, Cl. 144—34.
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Demaison, Raymond J., to Quigley Co., Inc. Furnace repair gun. 3,333,774, 8–1–67, Cl. 239—335.
Demaison, Raymond J., to Quigley Co., Inc. Apparatus for applying a protective refractory coating to the refractory linings of basic oxygen furnaces. 3,351,289, 11–7–67, Cl. 239—132.3.
Demaison, Raymond J., to Quigley Co., Inc. Method for prolonging the life of refractory linings in furnaces of the kaldo, linz-donowitz, demay or basic or acid converter types. 3,351,460, 11–7–67, Cl. 75—60.
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Deman, Pierre, to Compagnie Francaise Thomson-Houston-Hotchkiss Brandt. Angle-modulation signal system of the angle-lock type. 3,320,544, 5–16–67, Cl. 331—8.
Deman, Pierre, to Compagnie Francaise Thomson-Houston-Hotchkiss Brandt. System for automatic radio transfer of digital information and for distance computation. 3,341,845, 9–12–67, Cl. 343—6.5.
De Marco, Carlo G., to United States of America, Army. Method of producing N-chloramide vesicant fabric and the resulting fabric. 3,353,989, 11–21–67, Cl. 117—62.1.
De Marco, Carlo G., and G. M. Dias, to United States of America, Army. Novel water and oil-resistant fibrous structures, processes and compositons therefor, 3,347,812, 10–17–67, Cl. 260—29.6.
De Marco, John J. Biopsy knife for cutting a conical specimen. 3,327,702, 6–27–67, Cl. 128—2.
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De Marco, Peter T., and L. J. Salerno, to Mar-Sal, Inc. Treatment of arteriosclerotic diseases. 3,337,406, 8–22–67, Cl. 167—65.
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De Mare, Baltzar L., to United States of America, Army. Recorder speed changer. 3,314,076, 4–11–67, Cl. 346—136.
Demarest, Henry M., Jr., and J. S. Sieger, to Pittsburgh Plate Glass Co. Glass prepolishing method and apparatus. 3,350,-248, 10–31–67, Cl. 156—24.
Demarest, Kenneth D., to Foster Wheeler Corp. Tube design for terrace wall furnace. 3,348,923, 10–24–67, Cl. 23—288.
De Maria, Anthony J., to United Aircraft Corp. Frequency modulation for lasers. 3,297,876, 1–10–67, Cl. 250—199.
De Maria, Anthony J., to United Aircraft Corp. Direction sensor for laser gyro. 3,345,909, 10–10–67, Cl. 88—14.
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De Martini, Stephen, and J. V. Garito. Triple waxing attachment for thread winding machines. 3,356,305, 12–5–67, Cl. 242—35.5.
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Demas, Perry. Collapsible waste receptacle. 3,329,298, 7–4–67, Cl. 220—8.
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Demay, Peter P., and J. E. Hogel, to Honeywell Inc. Pressure differential relay. 3,303,747, 2–14–67, Cl. 91—47.
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De Ment, Jack. Method and apparatus for pumping a laser by exploding dispersed metal particles. 3,309,620, 3–14–67, Cl. 331—94.5.

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Demers, Alfred J., to The Borden Co. Foamed polyurethane laminate and the adhesive composition. 3,303,086, 2–7–67, Cl. 161—159.

Demeter, Laszlo, B. Galgoczi, E. Bozzay, and I. Zagyvai, to Nikex Nehezipari Kulkereskedelmi Vallalat. Clarification of surface waters. 3,350,302, 10–31–67, Cl. 210—45.

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Demetrovits, Eugene B. Grinders. 3,326,477, 6–20–67, Cl. 241—60.

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Deming, Andrew F., to Consolidated Electronics Industries Corp. Controllable servomotor with balanceable circuit indicator. 3,329,945, 7–4–67, Cl. 340—187.

Deming, Andrew F., to Consolidated Electronics Industries Corp. Narrow bandwidth receiver with output equal to the voltage difference of a selected modulation frequency and all frequency voltages. 3,333,272, 7–25–67, Cl. 343—225.

Deming, Arthur T. Paper mill knife and mounting therefor. 3,323,739, 6–6–67, Cl. 242—56.

Deming, Burr G., to The Superior Electric Co. Plural transformer electric load control circuit. 3,302,030, 1–31–67, Cl. 307—17.

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Deming, Harold L. Hole cutter. 3,306,138, 2–28–67, Cl. 77—77.

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DeMinjer, Clara H., to North American Philips Co., Inc. Method of coating p-type germanium with antimony, lead or alloys thereof by electrodeposition and product thereof. 3,322,516, 5–30–67, Cl. 29—194.

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Demler, Walter R., M. D. Edelman, M. R. Hallinan, and J. M. Kosmala, to Allied Chemical Corp. Solubilized fumaric acid compositions and method of making same. 3,351,471, 11–7–67, Cl. 99—78.

Demmler, Louis F. Snap lock sheet-metal seam. 3,295,560, 1–3–67, Cl. 138—166.

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De Montigny, Raimbault M. A. T., J. A. Lapointe, and J. G. Buchanan, to Pulp and Paper Research Institute of Canada. Apparatus for making formed fibrous webs. 3,311,533, 3–28–67, Cl. 162—203.

De Montremy, Jean. Devices for projecting moving pictures of the animated cartoon type. 3,305,295, 2–21–67, Cl. 352—68.

De Moor, Raymond J., to Jasper Blackburn Corp. Earth anchor wing. 3,330,632, 7–11–67, Cl. 29—193.5.

Demos, George. Drive-away vehicle transporting combination. 3,334,940, 8–8–67, Cl. 296—1.

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De Motta, Helio S. Surveilliance system and apparatus for recording the listening or viewing habits of radiant energy wave signal receiver users. 3,328,802, 6–27–67, Cl. 346—37.

De Moustier, Edouard, and J. Perreau, to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Method and article for the injection of fluids into hot molten metal. 3,330,645, 7–11–67, Cl. 75—60.

De Moustier, Henri. Apparatus for extruding suitably outlined parts made of thermoplastic synthetic material. 3,296,661, 1–10–67, Cl. 18—14.

De Moustier, Henri, to Plastival S.A. Connection between shaped elements. 3,304,682, 2–21–67, Cl. 52—475.

Dempsey, James F., H. M. Khelghatian, and R. P. Maloney, to Avisun Corp. Process for altering the particle size distribution of alpha mono olefin polymers. 3,322,720, 5–30–67, Cl. 260—45.85.

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Dempsey, Terence P., and K. A. Shkardoon, to The Commissioner for Railways. Alerting systems for vehicle crews. 3,345,513, 10–3–67, Cl. 246—182.

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Demrick, Carl J. Method for making steel wool soap pad. 3,348,296, 10–24–67, Cl. 29—419.

Demrick, Carl J. Steel wool soap pad and method of making same. 3,351,416, 11–7–67, Cl. 401—201.

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Denchfield, Jerrold R., to Sinclair Research, Inc. Addition copolymers of N-substituted 2-phenyl-allyl carbamate and ethylenically unsaturated hydrocarbons. 3,299,021, 1–17–67, Cl. 260—77.5.

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De Neergaard, Leif E., deceased, by The Northern Trust Co., to F. W. Olmstead, H. W. Trechsel, % The Gisholt Machine Co., D. A. Gerard, and N. S. Parker, as trustees. Element for measuring displacements. 3,295,214, 1–3–67, Cl. 33—125.

De Neergaard, Leif E., deceased, by The Northern Trust Co., to F. W. Olmstead, H. W. Trechsel, % The Gisholt Machine Co., and D. A. Gerard, as trustees. Control system for machine tools utilizing magnetic recording. 3,296,606, 1–3–67, Cl. 340—174.1.

De Neergaard, Leif E., deceased, by L. J. Mueller, executor, to H. W. Trechsel, D. A. Gerard, and N. S. Parker. Method and apparatus for measuring displacements. 3,303,487, 2–7–67, Cl. 340—195.

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Denenberg, Maurice. Method and apparatus for making a laminate with unbonded edge. 3,329,547, 7–4–67, Cl. 156—247.

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Denes, Robert, to Borg-Warner Corp. Hydrokinetic drive. 3,320,747, 5–23–67, Cl. 60—54.

Denes, Robert, to Borg-Warner Corp. Hydrokinetic drive. 3,330,111, 7–11–67, Cl. 60—54.

Denes, Robert, and H. A. McAninch, to Borg-Warner Corp. Forward/reverse drive. 3,320,746, 5–23–67, Cl. 60—54.

Denes, Robert, P. Posega, and J. C. Hayter, to Borg-Warner Corp. Variable pitch hydrokinetic drive. 3,330,112, 7–11–67, Cl. 60—54.
De Nevers, Noel H., to United States of America, Atomic Energy Commission. Apparatus for controlling the flow of solids. 3,307,700, 3–7–67, Cl. 210—112.
Deng, Niann-Chyung, S. L. Lindauer, and G. T. Paul, to International Business Machines Corp. Apparatus for testing binary-coded decimal arithmetic digits by binary parity checking circuits. 3,300,625, 1–24–67, Cl. 235—153.
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Denis, Jean, G. A. Fontaine, and C. Molin, to Nord-Aviation Societe Nationale de Constructions Aeronautiques. Welding machine. 3,359,400, 12–19–67, Cl. 219—78.
Denis, Michel, to Institut de Recherches de la Siderurgie Francaise. Burner for producing a stable flame with a high concentration of heat stabilized by a shock wave. 3,333,619, 8–1–67, Cl. 158—76.
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Dennis, John L., to Avco Corp. Noise blanker circuit comprising oppositely wound secondary windings. 3,322,968, 5–30–67, Cl. 307—88.5.
Dennis, John L., to Avco Corp. Temperature-compensated discriminator providing amplification. 3,348,158, 10–17–67, Cl. 329—141.
Dennis, Kent S., to The Dow Chemical Co. Polymeric dicarboxylic acids of block copolymers of alpha-methyl styrene and conjugated diolefins and method of making the same. 3,346,666, 10–10–67, Cl. 260—879.
Dennis, Louis E., L. M. Stuebe, and A. C. Roecker, to Beloit Corp. Headbox with bottom wall having controllable deflection. 3,313,681, 4–11–67, Cl. 162—252.
Dennis, Michel, to Institut de Recherches de la Siderugie Francaise. Electric discharge apparatus for chemically reacting flowing gases. 3,308,050, 3–7–67, Cl. 204—312.
Dennis, Ralph L., to Boston Machine Works Co. Combustion chamber. 3,330,323, 7–11–67, Cl. 158—1.
Dennis, Tom L., Jr., to Collins Radio Co. Combined alc and power level transmitter control. 3,332,017, 7–18–67, Cl. 325—187.
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Dennison, Richard L., to Magnetic Controls Co. System for remotely controlling the operation of a power distribution network. 3,359,551, 12–19–67, Cl. 340—310.
Dennison, William T., to United Aircraft Corp. Vane construction in turbofan engine. 3,330,475, 7–11–67, Cl. 230—122.
Dennison, William T., to United Aircraft Corp. Shaft lock for compressor or turbine lock. 3,343,854, 9–26–67, Cl. 287—53.
Denny, Arthur D., deceased (by G. D. Denny), to Owens-Corning Fiberglas Corp. Producing high temperature calcium silicates. 3,317,643, 5–2–67, Cl. 264—234.
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De Ridder, Rene R., to Manufacture de Produits Pharmaceutiques A. Christiaens Societe Anonyme. Theophylline derivatives. 3,317,533, 5–2–67, Cl. 260—253.
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De Rugeris, John. Carburetor arrangement. 3,339,900, 9–5–67, Cl. 261—50.
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De Ruggieri, Pietro, C. Gandolfi, and U. Guzzi, to Ormonoterapia Richter S.p.A. 5′-substituted steroidal isoxazoles of the pregnane series. 3,313,807, 4–11–67, Cl. 260—239.55.
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De Ruggieri, Pietro, C. Gandolfi, and U. Guzzi, to Ormonoterapia Richter S.p.A. 5′-substituted steroidal pyrazoles of the pregnane series. 3,325,480, 6–13–67, Cl. 260—239.5.
De Ruggieri, Pietro, C. Gandolfi, and D. Chiaramonti, to Ormonoterapia Richter S.p.A. Steroidal pyrimidines of the androstane and estrane series and intermediates for their production. 3,341,522, 9–12–67, Cl. 260—239.5.
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Des Brisay, George S., Jr., to Hughes Aircraft Co. Ramp generator circuits having rapid recovery and providing linear ramps. 3,313,955, 4–11–67, Cl. 307—88.5.
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Descarsin, Maurice, to Societe des Verreries Industrielles Reunies du. Manufacture of glass. 3,337,675, 8–22–67, Cl. 13—6.
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De Seversky, Alexander P., to Electronatom Corp. Integrated pollution control system. 3,315,445, 4–25–67, Cl. 55—122.
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De Shazor, James C. Jr., L. R. Burk, and R. S. Jackson, to James C. De Shazor. Apparatus for assembling packages. 3,348,361, 10–24–67, Cl. 53—184.
De Sherbinin, William N. Pallet adaptor and shield therefor. 3,346,098, 10–10–67, Cl. 206—1.7.
De Shetler, Leo C., and E. H. Mumford, to Owens-Illinois, Inc. Cylinder mounting on I.S. type glassware forming machine. 3,314,775, 4–18–67, Cl. 65—167.
De Shong, George T., to Berg Electronics, Inc. Method of applying terminal pins to printed circuit boards. 3,307,244, 3–7–67, Cl. 29—155.5.
De Shong, George T., to Berg Electronics, Inc. Method of and apparatus for applying terminal pins to printed circuit boards. 3,346,162. 10–10–67, Cl. 227—95.
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De Somer, Pierre, H. Vanderhaeghe, P. Van Dijck, G. Parmentier, and H. Van De Voorde, to Recherche et Industrie Therapeutiques, R.I.T. Antibiotic factor S and compositions containing same. 3,325,359, 6–13–67, Cl. 167—65.
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Dickinson, Barry L., to Union Carbide Corp. Treated polymer surfaces of shaped articles. 3,333,032, 7–25–67, Cl. 264—22.

Dickinson, Ben W. O., III. Method and apparatus for detecting flaws using ultrasonic helical waves. 3,299,694, 1–24–67, Cl. 73—67.5.

Dickinson, Ben W. O., III. Ultrasonic testing apparatus. 3,299,695, 1–24–67, Cl. 73—67.5.

Dickinson, Ben W. O., III. Apparatus for generating, directing and receiving ultrasonic wave trains. 3,299,696, 1–24–67, Cl. 73—71.5.

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Dickson, James J., to Allis-Chalmers Mfg. Co. Nuclear reactor control means. 3,309,278, 3–14–67, Cl. 176—36.
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Dickson, Robert W., to British Visqueen Ltd. Gusseted plastics bag. 3,326,449, 6–20–67, Cl. 229—62.
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Di Drusco, Giovanni, to Montecatini Societa Generale per l'Industria Mineria e Chimica. Apparatus for improved fluidized beds and reactors containing same. 3,298,792, 1–17–67. Cl. 23—284.
Di Drusco, Giovanni, and A. Colamussi, to Montecatini Edison S.p.A. Process for separating elastomeric homopolymers and copolymers from solutions thereof. 3,320,220, 5–16–67, Cl. 260—80.5.
Dieberg, Rolf, to Varta Aktiengesellschaft. Sintered nickel-carbon gas diffusion electrode for fuel cells. 3,306,780, 2–28–67, Cl. 136—121.
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Dieffenbach, Harry N., to Mark Systems, Inc. Film process magazine. 3,299,790, 1–24–67, Cl. 95—89.
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Dolhun, Leonard N., to AP Parts Corp. Stuffing box replacement seal. 3,311,382, 3–28–67, Cl. 277—91.

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Doll, Martin. Cushioned chicken shipping box. 3,326,186, 6–20–67, Cl. 119—19.

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Dolle, Roland E., Jr., to United States of America, Air Force. High temperature oxidative degradation resistant fluids and the preparation thereof. 3,322,671, 5–30–67, Cl. 252—49.7.

Dolle, Roland E., Jr., and C. Tamborski, to United States of America, Air Force. Polyfluoroalkoxy-substituted heterocyclic lubricant stabilized with a fluoroaryl tin compound. 3,313,731, 4–11–67, Cl. 252—49.7.

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Dollinger, Robert E., L. V. Wilson, and F. T. Sherk, to Phillips Petroleum Co. Heat recovery in thermal conversion process. 3,347,949, 10–17–67, Cl. 260—679.

Dollinger, Robert E., and R. L. Huxtable, to Phillips Petroleum Co. Continuous process for producing block copolymers of dienes and vinyl aromatic hydrocarbons. 3,356,763, 12–5–67, Cl. 260—880.

Dollison, William W., to Otis Engineering Corp. Pressure operated safety valve. 3,310,114, 3–21–67, Cl. 166—224.

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Dolney, Stanley M., to The Cyril Bath Co. Tension control. 3,302,437, 2–7–67, Cl. 72—296.
Dolney, Stanley M., to The Cyril Bath Co. Wipe and stretch forming machine with rise and fall of stretch head controlled by rise and fall of wipe shoe. 3,314,258, 4–18–67, Cl. 72—21.
Dolney, Stanley M., to The Cyril Bath Co. Gripping jaws for gripping sheet metal. 3,314,270, 4–18–67, Cl. 72—305.
Dolney, Stanley M., and R. A. MacKenzie, to The Cyril Bath Co. Method and apparatus for combined stretch forming and die drawing. 3,299,689, 1–24–67, Cl. 72—297.
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Alper, Allen M., Doman, and McNally. 3,340,077.
Alper, Allen M., Doman, and McNally. 3,340,078.
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Dombrowski, Theodor, to Wilhelm Hegenscheidt Kommanditgesellschaft. Machine for treating wheels of railroad vehicles. 3,345,891, 10–10–67, Cl. 82—8.
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Donahue, Leo O., and R. E. Behrens, to Graphic Engineers, Inc. Machine for conveying and stacking papers. 3,327,597, 6–27–67, Cl. 93—93.

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Donaldson, Raymond E., and C. C. White, to Eastman Kodak Co. Non-water spotting backing of rubber latex containing alkali metal formate. 3,324,067, 6–6–67, Cl. 260—29.7.

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Donguy, Rene, and A. Roguin, to Commissariat a l'Energie Atomique. Filtration cell. 3,342,022, 9–19–67, Cl. 55—356.

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Donnay, Jacques, to Compagnie Francaise Thomson-Houston. Television camera system having improved temperature control. 3,306,975, 2–28–67, Cl. 178—7.2.

Donnellan, Gerald L., and C. G. Delforce, to Ampep Industrial Products Ltd. Bearing units. 3,329,472, 7–4–67, Cl. 308—3.

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Donofrio, David J. Anesthetizing, resuscitating, and respiratory apparatus. 3,349,766, 10–31–67, Cl. 128—145.6.

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Donohue, James M., to Xerox Corp. Automatic toner control system. 3,348,522, 10–24–67, Cl. 118—7.

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Donovick, Richard, L. J. Heuser, and M. A. Dolliver, to E. R. Squibb & Sons, Inc. 3-lower alkyl-5-(4-pyridyl)-isoxazole-4-carbonyl derivatives. 3,345,375, 10–3–67, Cl. 260—295.
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Doolittle, Howard D., and H. Langer, to United States of America, Army. Coaxial cathode-anode electron tube with channel-shaped control grids for the beaming structure. 3,334,257, 8–1–67, Cl. 313—69.
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Doppelt, Charles. Carrying cases. 3,321,053, 5–23–67, Cl. 190—45.
Doppelt, Charles. Lady's purse. 3,354,925, 11–28–67, Cl. 150—33.
Doppelt, Lawrence, M. Rosenblum, and A. Ungaro, to Golderger Doll Mfg. Co., Inc. Molded floppy-limbed doll with cellular torso and limbs and substantially cell-free thin joints. 3,319,376, 5–16–67, Cl. 46—156.
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Dore, James E., and A. L. Kearney, to Olin Mathieson Chemical Corp. Horizontal continuous casting venting method. 3,352,350, 11–14–67, Cl. 164—82.
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Dorey, George B., to Continental Transport Appliances Ltd. System for automatically operating discharge doors of railway cars. 3,314,558, 4–18–67, Cl. 214—63.
Dorey, George B., to Continental Transport Appliances Ltd. Overcenter toggle latch overlapping hopper doors. 3,339,-500, 9–5–67, Cl. 105—253.
Dorey, George B., to Continental Transport Appliances Ltd. Hopper car discharge outlet assembly. 3,344,748, 10–3–67, Cl. 105—282.
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Newcomer, Jack S., Weil, and Dorfman. 3,318,682.
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Dorion, George H., and K. O. Loeffler, to American Cyanamid Co. Photochromic cellulosic paper, synthetic paper and regenerated cellulose. 3,314,795, 4–18–67, Cl. 96—90.
Dorion, George H., G. W. Nachtigall, and J. J. Cerreta, to American Cyanamid Co. Variable transmission compositions. 3,322,678, 5–30–67, Cl. 252—300.
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Doris, Thomas A., Jr., and T. Q. Ciccone, to United States of America, Army. Igniter composition for aircraft ejection apparatus. 3,317,362, 5–2–67, Cl. 149—19.
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Dornak, Henry J. Boat hull with tunneled V-bottom. 3,330,-239, 7–11–67, Cl. 114—56.
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Dorner, Armin, to Linde Aktiengesellschaft. Heat exchanger for the transfer of sensible heat and heat of condensation from a gas to a heat-absorbing fluid. 3,316,961, 5–2–67, Cl. 165—145.
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Mausolf, Melvin J. 3,338,827.
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Orr, Dundas S. 3,356,224.
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Szczepanik, John A. 3,319,932.
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Dortort, Isadore K., and F. R. Bingham, to I-T-E Circuit Breaker Co. Magnetic amplifier control circuit. 3,302,-122, 1–31–67, Cl. 330—8.
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Dosamantes de Jose, Guadalupe, and A. M. Dosamantes. Cabinet type aquariums. 3,324,829, 6–13–67, Cl. 119—5.
Dosch, Thomas J., and W. V. Flushing, to Dynamics Corp. of America. Railroad car track loading system. 3,316,400, 4–25–67, Cl. 246—182.
Dosedla, Miroslav, and I. Pavlica, to Roudnicke Strojirny a Slevarny. Apparatus for the soilless cultivation of seedlings and plants. 3,300,895, 1–31–67, Cl. 47—1.2.
Dosedla, Miroslav, I. Pavlica, and O. Kokrhoun, to Roudnicke Strojirny a Slévárny. Apparatus and method for the soilless cultivation of seedlings and plants. 3,305,968, 2–28–67, Cl. 47—1.2.
Dosedla, Miroslav, C. Jelen, M. Tichacek, and J. Klusacek, to Roudnicke Strojirny A Slevarny. Apparatus and method for soilless cultivation and growing of green plants. 3,327,-425, 6–27–67, Cl. 47—1.2.
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Bremer, John W., Doss, and McKeever. 3,312,956.
Doss, Richard C., to Phillips Petroleum Co. Method for preparing thiolactams. 3,306,911, 2–28–67, Cl. 260—326.83.
Doss, Richard C., to Phillips Petroleum Co. Butyl (butylthio) thiolacetate, and method of preparing thiol esters. 3,320,-300, 5–16–67, Cl. 260—455.
Doss, Richard C., to Phillips Petroleum Co. Preparation of thiol esters having alpha-sulfide linkages. 3,346,611, 10–10–67, Cl. 260—455.
Doss, Robert J., to Avco Corp. Voltage regulator utilizing a controlled variable duty cycle switch. 3,323,037, 5–30–67, Cl. 323—22.
Doss, Robert J., and J. E. Naylor, to Avco Corp. Combined gated pulse source-transverter-rectifier power supply with sampling connection for regulation. 3,305,756, 2–21–67, Cl. 321—2.
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Dostal, Frank, to Bulova Watch Co., Inc. Decoupling mounting plates for tuning fork oscillators. 3,310,757, 3–21–67, Cl. 331—116.
Dostal, Frank, to Bulova Watch Co., Inc. Magnetostrictive transducers. 3,311,352, 3–28–67, Cl. 259—72.
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Dotson, Gene M., 50% to S. E. Dotson. Reciprocating motor control system for motors having high Q solenoid coils. 3,328,656, 6–27–67, Cl. 318—37.
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Dotson, Gene M. 3,328,656.
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Dotto, Gianni A., to P. R. Mallory & Co., Inc. Worm gear escapement. 3,307,417, 3–7–67, Cl. 74—426.
Dotto, Gianni A., to P. R. Mallory & Co., Inc. Venetian blind operation. 3,308,873, 3–14–67, Cl. 160—176.
Dotto, Gianni A., to P. R. Mallory & Co., Inc. Rapid advance and intermittent drive mechanism for a time sequence switch. 3,313,895, 4–11–67, Cl. 200—38.
Dotto, Gianni A., to P. R. Mallory & Co., Inc. Disc brake for washing machine. 3,322,240, 5–30–67, Cl. 188—163.
Dotto, Gianni A., to P. R. Mallory & Co., Inc. Snap action fluid escapement for obtaining intermittent rotary motion. 3,345,915, 10–10–67, Cl. 91—50.
Dotto, Gianni A. Safety check valve. 3,345,998, 10–10–67, Cl. 137—118.
Dotto, Gianni A., to P. R. Mallory & Co., Inc. Timer having an adjustable time interval. 3,349,199, 10–24–67, Cl. 200—38.
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Doty, Jacob S.: *See*—
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Doty, William O. Land-water vehicle. 3,329,980, 7–11–67, Cl. 9—1.
Doty, William R., to Chevron Research Co. Flanged pipes with low clamping stress. 3,332,710, 7–25–67, Cl. 285—336.
Dotzer, Richard: *See*—
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Dotzer, Richard, to Siemens-Schuckertwerke Aktiengesellschaft. Method and apparatus for producing a semiconducting compound of two or more components. 3,342,551, 9–19–67, Cl. 23—204.
Dotzer, Richard, and F. Engelbrecht, to Siemens-Schuckertwerke Aktiengesellschaft. Method of producing alkylgalliums. 3,318,931, 5–9–67, Cl. 260—429.
Douaihy, Sarkis M., to Computer Test Corp. Pulse generator with direct connection to output pulse former and time delay in branch circuit. 3,354,323, 11–21–67, Cl. 307—88.5.
Doubek, Edward R., Jr., and G. H. Klenke, to Western Electric Co., Inc. Systems for ascertaining the ratio of one unknown voltage to another. 3,297,949, 1–10–67, Cl. 324—140.
Doubek, Edward R., Jr., and C. W. Reiley, to Western Electric Co., Inc. Systems for testing the tolerances of capacitive values of capacitors. 3,359,490, 12–19–67, Cl. 324—60.
Douberly, Arnold J. Accelerator and speed controlled brake. 3,299,998, 1–24–67, Cl. 192—3.
Double, Donald L.: *See*—
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Double, Plummer E., to Multifastener Corp. Method of making a nut and panel assembly. 3,299,500, 1–24–67, Cl. 29—432.2.
Double, Plummer E., deceased, by D. L. Double, administrator, to Multifastener Corp. Method of assembling a pierce nut in a panel. 3,314,138, 4–18–67, Cl. 29—432.2.
Double, Plummer E., and H. R. Abbrecht, said Double assor. to Multifastener Corp. Method of making nut-panel assembly. 3,315,345, 4–25–67, Cl. 29—432.1.
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Doubt, Ralph A., and J. P. Lindsey, to Phillips Petroleum Co. Signal generator. 3,351,153, 11–7–67, Cl. 181—.5.
Doucet, Gilles, to Georges Lesieur & Ses Fils, Societe Anonyme. Device for positioning on a mechanical conveyor light objects moved by a pneumatic conveyor. 3,332,724, 7–25–67, Cl. 302—2.
Doucet, Gilles, to Georges Lesieur & Ses Fils, Societe Anonyme. Device for the ejection and removal of light objects manufactured by molding. 3,357,043, 12–12–67, Cl. 18—2.
Doucette, Adrian R.: *See*—
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Doucette, Edward I., and W. J. Grubbs, to Savin Business Machines Corp. Toner monitoring system for electrostatic copier. 3,354,802, 11–28–67, Cl. 95—1.7.
Doucette, Eugene F., and D. R. Lee, to Lee Packaging Machinery Corp. Apparatus for heat-sealing articles between sheets of transparent material. 3,333,395, 8–1–67, Cl. 53—182.
Doud, Wilbur O., and C. W. Cook, to Ball Brothers Co. Glassware and carton handling apparatus. 3,301,382, 1–31–67, Cl. 198—75.
Douda, Bernard E., to United States of America, Navy. Pyrotechnic compound tris (glycine) strontium (II) perchlorate and method for making same. 3,296,045, 1–3–67, Cl. 149—75.
Doudlebsky, Ctibor, A. Barsukov, and J. Nemec, to Vyzkumny Ustav Bavlnarsky. Sliver supply device for spindleless spinning. 3,335,558, 8–15–67, Cl. 57—58.95.
Dougall, John, to Joseph Lucas (Industries) Ltd. Electrical coil assemblies. 3,343,113, 9–19–67, Cl. 336—192.
Dougan, John L., and F. S. Reynolds, to Equity Oil Co. Post-primary thermal method of recovering oil from oil wells and the like. 3,351,132, 11–7–67, Cl. 166—11.
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Dowling, Jerome C.: *See*—
LeClair, Donald E., and Dowling. 3,336,423.

Dowling, Thomas P.: *See*—
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Down, Alfred G., H. M. Turner, and H. W. Dauer, to Continental Can Co., Inc. Spin welding head. 3,338,775, 8–29–67, Cl. 156—582.

Downer, John M., D. B. Wootton, and D. G. Hobbs, to Imperial Chemical Industries Ltd. Coating compositions comprising butadiene-1,3 copolymer, starch and mineral pigment. 3,305,500, 2–21–67, Cl. 260—17.4.

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Downes, John E., and D. W. R. Headford, to Imperial Chemical Industries Ltd. 1,1′-Bis[(biscyanolower alkyl)carbamoyl] methyl-4-4′-dihalide and 1,1′-bis[(bis loweralkoxy loweralkyl)carbamoyl]methyl-4,4′-dihalide derivatives of bipyridine. 3,336,325, 8–15–67, Cl. 260—294.9.

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Downey, David F., and J. J. Moughty, to Electrolux Corp. Vacuum cleaner hose having electrical conductors. 3,300,-571, 1–24–67, Cl. 174—47.

Downey, David F., and J. T. Ferraris, to Electrolux Corp. Adjustable length wand. 3,351,363, 11–7–67, Cl. 285—303.

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Downey, George T., to Aero-Flow Dynamics, Inc. Barrier filter element assembly. 3,302,796, 2–7–67, Cl. 210—487.

Downey, John F., to Polaroid Corp. Photographic products, processes and compositions. 3,347,673, 10–17–67, Cl. 96—29.

Downey, John F., and M. S. Simon, to Polaroid Corp. Photographic products, processes and compositions. 3,347,672, 10–17–67, Cl. 96—29.

Downey, John T. Transversely curved aerial toy with weighted nose. 3,353,295, 11–21–67, Cl. 46—74.

Downey, Margaret A. Press for molding plastic. 3,358,332, 12–19–67, Cl. 18—19.

Downey, Martin W., and L. K. Jones, to Sterling Faucet Co. Push button drain valve. 3,333,815, 8–1–67, Cl. 251—263.

Downey, Paul. Unloading and screening chute for shelled corn. 3,319,787, 5–16–67, Cl. 209—421.

Downey, Richard M. Apparatus for forming mineral fibers. 3,323,887, 6–6–67, Cl. 65—14.

Downey, Rogers B., to Polaroid Corp. Photographic film unit. 3,342,600, 9–19–67, Cl. 96—76.

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Downhill, Robert. Control system for surface effect machines. 3,342,279, 9–19–67, Cl. 180—7.

Downing, Edward T., to Raytheon Co. Magnetron tube having alternate cavities of the anode structure directly coupled to a stabilizing cavity. 3,334,268, 8–1–67, Cl. 315—39.65.

Downing, George G. Concrete block mold assembly. 3,318,-563, 5–9–67, Cl. 249—140.

Downing, James H., and R. F. Merkert, to Union Carbide Corp. Vanadium containing addition agent and process for producing same. 3,334,992, 8–8–67, Cl. 75—.5

Downing, Joseph M. Crop drying apparatus. 3,308,557, 3–14–67, Cl. 34—218.

Downing, Leo G., and J. V. Kindall, to Bourns, Inc. Electrical resistance device. 3,310,766, 3–21–67, Cl. 338—20.

Downing, Lucien R., Jr., to Donn Products, Inc. Interlocking beam connectors. 3,297,345, 1–10–67, Cl. 287—189.36.

Downing, Lucien R., Jr., to Donn Products, Inc. Door frame fastener. 3,320,705, 5–23–67, Cl. 52—214.

Downing, Lucien R., Jr., to Donn Products, Inc. Beam connector. 3,320,713, 5–23–67, Cl. 52—666.

Downing, Lucien R., Jr., to Donn Products, Inc. Structural beam in a grid supporting fabric covered panel. 3,327,444, 6–27–67, Cl. 52—476.

Downing, Noel L., and W. J. Steinmetz, Jr., to General Motors Corp. Engine control with anticipator. 3,309,868, 3–21–67, Cl. 60—39.16.

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Newton, David W., and Downing. 3,348,293.

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Downs, Ernest W., to United States of America, Army. Protective captivating collar. 3,355,977, 12–5–67, Cl. 85—8.1.

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Doyer, Cornelis. Apparatus for conveying or stacking bulk materials. 3,297,143, 1–10–67, Cl. 198—128.

Doyer, Cornelis. Trough-shaped conveyor belt. 3,301,383, 1–31–67, Cl. 198—192.

Doyle, Carroll F., to W. R. Grace & Co. Gelled fuel compositions. 3,343,931, 9–26–67, Cl. 44—7.

Doyle, Carroll F., to W. R. Grace & Co. Polystyrene fibers, finely divided silica thickening agent, and organic liquid materials thickened therewith. 3,354,114, 11–21–67, Cl. 260—40.

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Doyle, Wladzia G. P. and C. M. 3,350,001.

Doyle, Dewey I., D. I. Doyle, Jr., and P. E. Doyle, to Doyle Vacuum Cleaner Co. Vacuum cleaner units. 3,343,343, 9–26–67, Cl. 55—320.

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Doyle, George A., to Motorola, Inc. Plastic package full wave rectifier. 3,348,105, 10–17–67, Cl. 317—234.

Doyle, James H., to General Data Corp. Analog to digital converter. Re. 26,274, 10–3–67, Cl. 340—347.

Doyle, James H. Electronic quantizer. 3,311,910, 3–28–67, Cl. 340—347.

Doyle, James J., A. J. Sarka, and F. C. Tancredi, to American Telephone and Telegraph Co. Stock quotation switching system utilizing calling rate detection means. 3,347,990, 10–17–67, Cl. 179—6.

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Doyle, Robert V. Golfer's aid including ball marker, plumb, and turf repair tool. 3,309,089, 3–14–67, Cl. 273—32.

Doyle, Thomas E., F. Fekete, P. J. Keenan, and W. J. Plant, to H. H. Robertson Co. Combination catalyst-inhibitor for beta-hydroxy carboxylic esters. 3,317,465, 5–2–67, Cl. 260—47.

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Doyle, Wladzia G. P. and C. M. Integral gradient removable disc columns. 3,350,000, 10–31–67, Cl. 233—15.

Doyle, Wladzia G. P. and C. M. Method for fluid extraction and apparatus therefor. 3,350,001, 10–31–67, Cl. 233—15.

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Dozier, James R., and G. D. Johnson, to Shell Oil Co. Connection of underwater flowlines. 3,298,092, 1–17–67, Cl. 29—429.

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Dragon, Peter F. Filter having assembling sealing and flushing means. 3,353,678, 11–21–67, Cl. 210—236.

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Drain, David J., J. G. B. Howes, and H. W. R. Williams, to T. J. Smith, & Nephew Ltd. 3,4-dihydroxy-benzyloxyamine. 3,349,135, 10–24–67, Cl. 260—621.

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Drake, Theodore R. Wood product and the method and apparatus for making the same. 3,316,948, 5–2–67, Cl. 144—318.

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Ludkin, Basil A. 3,353,555.

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Draper, Cosby A., Jr., to General Electric Co. Telephone signalling system including a pulse-correcting system for maintaining constant make-to-break time ratio with varying dial pulse speeds. 3,312,784, 4–4–67, Cl. 179—16.

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Draper, Marshall D., to Rexall Drug and Chemical Co. 1-allyl-3-(substituted benzoyl)-4-(substituted phenyl)-4-hydroxypiperidines. 3,317,548, 5–2–67, Cl. 260—294.7.

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Duinker, Simon, to North American Philips Co., Inc. Method of manufacturing reliable magnetic heads having accurately predetermined dimensions. 3,354,540, 11–28–67, Cl. 29—603.
Duinker, Simon, E. F. de Haan, G. Diemer, and J. G. van Santen, to North American Philips Co., Inc. Circuit comprising writing and reproducing circuits using electroluminescent and ferroelectric cells. 3,311,781, 3–28–67, Cl. 315—173.
Duinker, Simon, and D. Gossel, to North American Philips Co., Inc. Dosing pump operating in opposite phases for dosing liquid or gaseous media. 3,327,633, 6–27–67, Cl. 103—38.
Duir, John H., and A. E. Kelley, to Union Oil Co. of California. Hydrocracking process startup. 3,308,054, 3–7–67, Cl. 208—89.
Duis, Herward, and P. Lopata, to Joh. Kleinewefers Söhne. Apparatus for passing materials therethrough in a pressure-tight manner, especially textiles in the form of wide webs and also in the form of strands. 3,343,379, 9–26–67, Cl. 68—5.
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Duitsman, Kenneth. Divided food service tray. 3,342,397, 9–19–67, Cl. 229—2.5.
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Duke, Bruce W.: *See*—
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Duke, James B.: *See*—
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Jacobs, Daniel A., and Duke. 3,313,492.
Duke, James B., to Minerals & Chemicals Philipp Corp. Method of reducing clay viscosity. 3,326,705, 6–20–67, Cl. 106—72.
Duke, James B., to Minerals & Chemicals Philipp Corp. Method for improving the brightness of clay. 3,353,668, 11–21–67, Cl. 209—10.
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Prem, Dorothy C., Duke, and Greene. 3,314,910.
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Duke, Roy B., Jr., and M. A. Perry, to Eastman Kodak Co. Unsaturated polyesters having branched structures. 3,320,336, 5–16–67, Cl. 260—861.
Duke, Roy B., Jr., M. A. Perry, and H. N. Wright, Jr, to Eastman Kodak Co. Manufacture of neopentyl glycol and isobutanol. 3,340,312, 9–5–67, Cl. 260—635.
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Brierley, Ronald H., Dulaney, and Davenport. 3,306,844.
Dulhunty, Philip W. Aerial navigation device. 3,353,274, 11–21–67, Cl. 33—107.
Dulieu, Raoul. Device for handling elongate objects. 3,329,255, 7–4–67, Cl. 198—170.
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Kasak, August, Dulis, and Chandhok. Re. 26,225.
Dulis, Edward J., to Crucible Steel Co. of America. Age-hardenable austenitic stainless steel. 3,340,046, 9–5–67, Cl. 75—126.
Dulis, Edward J., and A. Kasak, to Crucible Steel Co. of America. Use of cold-formable austenitic stainless steel for valves for internal-combustion engines. 3,303,023, 2–7–67, Cl. 75—128.
Dull, Thomas J.: *See*—
Goldmeyer, Clifford, and Dull. 3,304,404.
Goldmeyer, Clifford, and Dull. 3,316,944.
Goldmeyer, Clifford, and Dull. 3,348,583.

Dully, Floyd I., to General Motors Corp. Wheel cover. 3,317,-248, 5–2–67. Cl. 301—37.

Dully, Floyd I., and A. J. Maletzke, to General Motors Corp. Wheel cover. 3,348,885, 10–24–67, Cl. 301—37.

Dulmage, Fred C., to The Dow Chemical Co. Equipment and method of controlled peripheral shrink. 3,324,625, 6–13–67, Cl. 53—42.

Dulmage, William J., W. A. Light, and S. S. Sweet, to Eastman Kodak Co. Heat-sensitive elements for use in thermography. 3,342,623, 9–19–67, Cl. 117—36.1.

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Dumas, Roger, to Societe Anonyme Simca Automobiles. Vehicle bodies. 3,328,069, 6–27–67, Cl. 296—65.

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Dumbovich, Boris: *See*—
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Dumm, Grace E.: *See*—
Dumm, Robert P., and G. E. 3,339,888.

Dumm, Robert P., deceased, by G. E. Dumm, administratrix, to Pacific Valves, Inc. Cryogenic globe valve with extended body. 3,339,888, 9–5–67, Cl. 251—367.

Dummett, George A., to The A.P.V. Co. Ltd. Steam heating of liquids. 3,314,664, 4–18–67, Cl. 261—159.

Dummler, William J., to Motor Guard Corp. Filter unit with radially compressed element. 3,317,045, 5–2–67, Cl. 210—130.

Dummler, William J., to Motor Guard Corp. Filter unit with axially separable housing. 3,317,053, 5–2–67, Cl. 210—439.

Dumont, Louis, and A. P. Lacombe, to Sud-Aviation Societe Nationale de Constructions Aeronautiques. Ball-and-socket pipe joints, and applications thereof. 3,357,723, 12–12–67, Cl. 285—263.

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Dumpis, Janis, to Champ-Items, Inc. Method of making sealed prelubricated preloaded bearings. 3,305,617, 2–21–67, Cl. 264—242.

Dumpis, Janis, to Champ-Items, Inc. Idler arm replacement bearing. 3,307,888, 3–7–67, Cl. 308—71.

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Dun, Alan, and D. B. Fox, to Monsanto Chemicals (Australia) Ltd. Color modification of cobalt-containing cured polyester resins. 3,297,788, 1–10–67, Cl. 260—863.

Dun, Angus, Jr. Target and backing member therefor. 3,353,-827, 11–21–67, Cl. 273—102.1.

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Dunaiski, Raymond M., and H. D. Snively, to General Electric Co. Dynamoelectric machine having concentric rotors with an intermediate stator. 3,308,318, 3–7–67, Cl. 310—114.

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Dunavan, Russell N. Safety signal system for motor vehicles. 3,359,540, 12–19–67, Cl. 340—72.

Dunbar, Joseph E., to The Dow Chemical Co. Thioethyl thiolsulfonates. 3,337,599, 8–22–67, Cl. 260—453.

Dunbar, Joseph E., to The Dow Chemical Co. β,β'-Bis(substituted sulfonylthio) compounds. 3,338,945, 8–29–67, Cl. 260—453.

Dunbar, Joseph E., to The Dow Chemical Co. β,β',β''-Tris-(methylsulfonylthio)triethylamine. 3,338,946, 8–29–67, Cl. 260—453.

Dunbar, Joseph E., to The Dow Chemical Co. Oxacyclobutane bis(thiosulfonates). 3,346,592, 10–10–67, Cl. 260—333.

Dunbar, Robert A., to General Electric Co. Apparatus for converting single phase to multiphase alternating current. 3,328,660, 6–27–67, Cl. 318—165.

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Felton, Joseph B., Jr., Turner, Duncan, Funderburk, and Bart. 3,322,318.

Duncan, Charles S., and G. W. Wilson, to Westinghouse Electric Corp. Joining of thermally conductive contact members to thermoelectric bodies. 3,330,029, 7–11–67, Cl. 29—573.

Duncan, Clifford E., to Coin Acceptors Inc. Anti-tilt means for coin testing and selecting apparatus. 3,298,492, 1–17–67, Cl. 194—99.

Duncan, David L.: *See*—
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Duncan, Douglas W., C. C. Walden, and P. C. Trussell, to British Columbia Research Council. Accelerated microbiological ore extraction process. 3,305,353, 2–21–67, Cl. 75—101.

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Duncan, Edward T., to Products Research Associates, Inc. Lamp dimmer. 3,300,711, 1–24–67, Cl. 323—22.

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Duncan, Howard W. Menstrual cycle programming device. 3,330,060, 7–11–67, Cl. 40—107.

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Duncan, James E., to Pittsburgh Plate Glass Co. Neutral brown heat absorbing glass composition. 3,296,004, 1–3–67, Cl. 106—52.

Duncan, James E., and J. E. Cooper, to Pittsburgh Plate Glass Co. Bronze-smoke ophthalmic glass composition. 3,296,005, 1–3–67, Cl. 106—52.

Duncan, James H., and C. J. Kraus, to Air-O-Fan Products Corp. Symmetrizing bipivotal coupling device. 3,311,185, 3–28–67, Cl. 180—14.

Duncan, James K., to E. K. Zitzewitz, R. Gurley, E. W. O'Shaughnessy, T. G. Lowry, and J. K. Duncan, co-partners, d.b.a. Duncan Research. Apparatus for precision fiberization. 3,306,722, 2–28–67, Cl. 65—12.

Duncan, James L., to Duncan Econotrol, Inc. Ambient temperature-modified temperature-altering control mechanism. 3,317,692, 5–2–67, Cl. 200—136.

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Duncan, John M., W. L. Sprague, and J. L. Decker, to General Motors Corp. Data collecting and recording device. 3,303,471, 2–7–67, Cl. 340—172.5.

Duncan, Leon L. Method and apparatus for producing a decorative effect on stainless steel and other surfaces. 3,305,916, 2–28–67, Cl. 29—90.

Duncan, Leon L., to W. J. King. Total disposal unit and method. 3,319,588, 5–16–67, Cl. 110—9.

Duncan, Leon L. Disposal unit and method. 3,320,907, 5–23–67, Cl. 110—9.

Duncan, Loney R., Jr., and J. J. Smisloff, to Collins Radio Co. Parallel resonance discriminator including an inductively coupled tuned circuit. 3,305,776, 2–21–67, Cl. 324—57.

Duncan, Rea E. Shade control. 3,304,992, 2–21–67, Cl. 160—32.

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Duncan, Richard S.: *See*—
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Duncan, Robert C., and N. L. Baker, to The Procter & Gamble Co. Disposable diaper. Re. 26,151, 1–31–67, Cl. 128—284.

Duncan, Robert H., and D. W. Orahood, to International Telephone and Telegraph Corp. Selector for selecting the best responding one of a plurality of equal rank devices. 3,328,-697, 6–27–67, Cl. 325—304.

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Duncan, Robert W. Envelope. 3,295,746, 1–3–67, Cl. 229—85.

Duncan, Sydney F., to Farr Co. Method for manufacturing a pleated air filter cartridge. 3,321,345, 5–23–67, Cl. 156—91.

Duncan, Thomas W., and C. N. Perin, to Design and Mfg. Corp. Dishwashing machine. 3,310,243, 3–21–67, Cl. 241—101.

Duncan, Thomas W., and C. N. Perin, to Design and Mfg. Corp. Dispensing mechanism. 3,344,957, 10–3–67. Cl. 222—70.

Duncan, Walter L. Flashlight. 3,299,262, 1–17–67, Cl. 240—10.6.

Duncan, William A., to Union Carbide Canada Ltd. Device for promoting the removal of water from a paper-making pulp slurry. 3,351,524, 11–7–67, Cl. 162—374.

Duncan, William H., and R. F. Cooper, to Collapsible Pallet Co. Collapsible cargo pallet with removable top. 3,327,654, 6–27–67, Cl. 108—53.

Duncan, William J. Fishing pole holder. 3,341,157, 9–12–67, Cl. 248—42.

Duncanson, Leonard A., and H. G. Lawley, to Imperial Chemical Industries Ltd. Production of oxygen-containing organic compounds by the co-oxidation of cycloparaffins and aldehydes. 3,351,657, 11–7–67, Cl. 260—530.

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Dunkel, Morris, to Universal Oil Products Co. Polymeric reaction products derived from polyhalopolyhydrodimethanonaphthalene dicarboxylic acids or anhydrides thereof. 3,297,606, 1–10–67, Cl. 260—22.
Dunkel, Morris, to Universal Oil Products Co. Derivatives of bicycloheptane ketones and method for preparing same. 3,326,940, 6–20–67, Cl. 260—346.3.
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Dunkel, Morris, to Universal Oil Products Co. Aryl, alkaryl and aralkyl esters of halo-substituted polyhydrodialkanonaphthalenedicarboxylic acids and a method for the preparation thereof. 3,359,299, 12–19–67, Cl. 260—468.
Dunkel, Morris, and D. J. Eckhardt, to Universal Oil Products Co. Treatment of fibrous materials with certain amino compounds and certain polyacid polyhalides. 3,305,-391, 2–21–67, Cl. 117—141.
Dunkelman, Robert L. Steam cabinet for food products. 3,320,945, 5–23–67, Cl. 126—369.
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Düring, Walter. Device for the removal of lime deposits in toilet bowls by applying suitable solvents. 3,343,200, 9–26–67, Cl. 15—511.

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Du Rose, Arthur H., and W. J. Pierce, to Kewanee Oil Co. Three-layer nickel laminate. 3,355,263, 11–28–67, Cl. 29—183.5.

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Duschinsky, Robert, and T. F. Gabriel, to Hoffmann-La Roche Inc. Fluorinated imidazo[1,2-c] pyrimidines and pyrimido [1,2-c] pyrimidines. 3,320,256, 5–16–67, Cl. 260—256.4.

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Duszka, Stephen. Load shifting mechanism. 3,346,132, 10–10–67, Cl. 214—516.

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Duval D'Adrian, Vincent L. High alkali earth oxide glass bead composition. 3,306,757, 2–28–67, Cl. 106—54.

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Dvorkin, Harry. Air filter for inflatable tires. 3,352,091, 11–14–67, Cl. 55—274.

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Dye, Robert H., to The Bendix Corp. Method and apparatus for producing a steerable electric potential. 3,321,665, 5–23–67, Cl. 315—169.

Dye, Russell V. Lubrication apparatus. 3,339,739, 9–5–67, Cl. 210—168.

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Dyer, Daniel P., Jr., to The Budd Co. Torque sensing wheel structure. 3,298,223, 1–17–67, Cl. 73—128.

Dyer, Daniel P., Jr., to The Budd Co. Torque-tension testing apparatus and method for nut-bolt assemblies. 3,354,705, 11–28–67, Cl. 73—95.

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Dyer, Richard F., and J. M. Wininger, Jr., to Eastman Kodak Co. Method of making a fibrous filter product. 3,336,174, 8–15–67, Cl. 156—167.

Dyer, Richard F., and P. Gallagher, to Eastman Kodak Co. Tow interlacing apparatus. 3,341,912, 9–19–67, Cl. 28—1.

Dyer, Richard W., to Western Electric Co., Inc. Optical system for checking registration. 3,308,711, 3–14–67, Cl. 88—14.

Dyer, Robert K., to Sinclair Research, Inc. Apparatus for drilling core samples. 3,329,220, 7–4–67, Cl. 175—94.

Dyer, Robert K. Polished rod protector. 3,353,606, 11–21–67, Cl. 166—84.

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Dykes, Bruce G., to Container Corp. of America. Reclosable carrier-dispensing container. 3,335,940, 8–15–67, Cl. 229—51.

Dykes, Hiram W. H., to United States of America, Army. Recovery or diphenylamines and resorcinols by thin-layer chromatography methods. 3,335,185, 8–8–67, Cl. 260—576.

Dykes, Ralph E., and R. M. Mitchell, to General Foods Corp. Tetrahedral packaging means and method of making same. 3,347,363, 10–17–67, Cl. 206—65.

Dykes, Reggie D. Chess type game for three players. 3,341,205, 9–12–67, Cl. 273—131.

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Ediin, Eric H. Pressurized face mask. 3,345,987, 10–10–67, Cl. 128—254.
Edinger, Ladislav L., and I. Halasz. Self-illuminating tongue depressor with detachable tongue blade. 3,349,764, 10–31–67, Cl. 128—16.
Edinger, Lester D.: *See*—
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Edler, Otto E. A., and J. K. Garrison, to Southern Machinery Co. Control mechanism for builder motion chain rewinder on spinning frame. 3,325,110, 6–13–67, Cl. 242—26.1.
Edlich, Richard F. Electrocautery process. 3,336,916, 8–22–67, Cl. 128—2.
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Edlin, Ray L., to Kelco Co. Method of preparing enzyme stable starch and product. 3,332,786, 7–25–67, Cl. 99—139.
Edling, Ellsworth A., and R. P. McKenna. Motor using nuclear charged particles. 3,302,024, 1–31–67, Cl. 250—106.
Edming, John W. Silage distributor. 3,305,108, 2–21–67, Cl. 214—17.
Edminster, Lester R., to West Coast Alloys Co. Compactor lug having replaceable cap. 3,340,783, 9–12–67, Cl. 94—50.
Edmisson, Chris. Portable container for tools. 3,339,938, 9–5–67, Cl. 280—79.3.
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Edmonds, Earl E. Collapsible cabin. 3,304,668, 2–21–67, Cl. 52—67.
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Edmonds, James T., Jr., to Phillips Petroleum Co. Oxidized shaped articles of trimethylene sulfide polymers. 3,318,853, 5–9–67, Cl. 260—79.
Edmonds, James T., Jr., to Phillips Petroleum Co. Novel polymer and method of obtaining the same by polymerization of a trimethylene sulfide in presence of an alkali metal catalyst. 3,320,217, 5–16–67, Cl. 260—79.

Edmonds, James T., Jr., to Phillips Petroleum Co. Trimethylene sulfide polymers. 3,328,361, 6–27–67, Cl. 260—79.
Edmonds, James T., Jr., and H. W. Hill, Jr., to Phillips Petroleum Co. Production of polymers from aromatic compounds. 3,354,129, 11–21–67, Cl. 260—79.
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Edson, Jerry W. Portable boat ramp. 3,353,363, 11–21–67, Cl. 61—67.
Edstrom, John O., and H. H. De Geer, to Sandvikens Jernverks Aktiebolag. Hot top composition for casting molds. 3,297,296, 1–10–67, Cl. 249—197.
Edstrom, Nils, S. E. I. Fjordland, W. E. W. Jacob, and J. K. A. Olsson, to Telefonaktiebolaget L M Ericsson. Control arrangement for a receiver for pulse-code modulated time-division multiplex signals. 3,359,371, 12–19–67, Cl. 179—15.
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Loukes, David G., and Edwards. 3,330,637.
Edwards, Alan, to Pilkington Bros. Ltd. Method and apparatus for purifying the molten bath of a glass sheet forming operation. 3,337,319, 8–22–67, Cl. 65—27.
Edwards, Albert J., and M. J. Healy, to Micaldon Corp. Closure cap. 3,310,192, 3–21–67, Cl. 215—46.
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Edwards, Billy M. Camping and boating outfit. 3,357,031, 12–12–67, Cl. 9—1.
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Edwards, Bryant, to Illinois Tool Works Inc. Frangible opening device for containers. 3,307,746, 3–7–67, Cl. 222—143.
Edwards, Bryant, to Illinois Tool Works Inc. Composite package. 3,318,487, 5–9–67, Cl. 222—173.
Edwards, Bryant, to Illinois Tool Works Inc. Coin fed lid. 3,321,104, 5–23–67, Cl. 220—97.
Edwards, Bryant, to Illinois Tool Works Inc. Package for dispensing articles. 3,325,000, 6–13–67, Cl. 206—56.
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Edwards, Bryant, to Illinois Tool Works Inc. Thermoplastic closure. 3,335,901, 8–15–67, Cl. 220—60.
Edwards, Bryant, to Illinois Tool Works Inc. Apparatus for forming double thickness fins in a thin wall plastic container. 3,341,893, 9–19–67, Cl. 18—19.
Edwards, Bryant, to Illinois Tool Works Inc. Method and apparatus for deep draw molding. 3,342,914, 9–19–67, Cl. 264—89.
Edwards, Bryant, to Illinois Tool Works Inc. Closure for spin sealing and coin feeding. 3,344,948, 10–3–67, Cl. 220—67.
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Edwards, Edward T., to Edwards Power Door Co., Inc. Door operating device. 3,344,556, 10–3–67, Cl. 49—360.
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Edwards, Frederick J., to The Thermal Syndicate Ltd. Attachment of inserts and fixing devices to pieces of vitreous silica, glass and such material. 3,309,123, 3–14–67, Cl. 287—189.365.
Edwards, Gayle D., D. M. Rice, and R. L. Soulen, to Jefferson Chemical Co., Inc. Production of rigid polyurethane foam. 3,297,597, 1–10–67, Cl. 260—2.5.
Edwards, George A., to General Motors Corp. Ball spline assembly. 3,356,424, 12–5–67, Cl. 308—6.
Edwards, Harold D. Removal of stalk from manufactured tea. 3,322,271, 5–30–67, Cl. 209—2.
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Newhouse, Vernon L., and Edwards. 3,359,545.
Edwards, Harold H., and V. L. Newhouse, to General Electric Co. Superconducting amplifier. 3,356,960, 12–5–67, Cl. 330—61.
Edwards, Harrison F. Transparent dial. 3,316,709, 5–2–67, Cl. 58—42.
Edwards, Harrison F., and A. D. Gronner, to Simmonds Precision Products, Inc. Hydrostatic liquid quantity gauge with attitude correction. 3,358,509, 12–19–67, Cl. 73—301.
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Edwards, Jack H., L. B. Plumb, Jr., and W. T. Wells, Jr., to Tenneco Inc. Jet sub for drilling well bores. 3,334,697, 8–8–67, Cl. 175—231.
Edwards, James D., to Borg-Warner Corp. Cooking range control arrangement. 3,324,279, 6–6–67, Cl. 219—480.
Edwards, James H., to American Machine & Foundry Co. Helix bun dispenser. 3,343,715, 9–26–67, Cl. 221—13.
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Edwards, James W., S. W. Mays, Jr., and H. J. Larrigan, to Monsanto Co. Semi-automatic electrostatic printing system having moving screen. 3,302,560, 2–7–67, Cl. 101—38.
Edwards, James W., S. W. Mays, and R. W. Stout, to Monsanto Co. Electrostatic printing with oscillating screen frame and dual printing at a single station. 3,302,579, 2–7–67, Cl. 101—39.
Edwards, James W., S. W. Mays, and R. W. Stout, to Monsanto Co. Electrostatic printing with rotating screen frame and plural print stations. 3,302,580, 2–7–67, Cl. 101—39.
Edwards, James W., and R. W. Stout, to Monsanto Co. Ink delivery system employing vibrating wires. 3,320,879, 5–23–67, Cl. 101—335.
Edwards, James W., and R. K. Shelby, to Monsanto Co. Infrared heater. 3,331,941, 7–18–67, Cl. 219—354.
Edwards, Joe E., Jr., to Brown Oil Tools, Inc. Wire line well tool. 3,306,359, 2–28–67, Cl. 166—120.
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Edwards, John, C. Djerass, H. J. Ringold, and G. Rosenkranz, to Syntex Corp. 6-halo-16-methyl-3,20-diketo derivatives of the pregnane series. 3,318,921, 5–9–67, Cl. 260—397.3.
Edwards, John A., to Syntex Corp. 5β,6β-cyclo-19-nor-$\Delta^{9(10)}$-androstenes and pregnenes and process therefor. 3,354,149, 11–21–67, Cl. 260—239.55.
Edwards, John A., J. H. Fried, and J. B. Siddall, to Syntex Corp. 2β,3β-alkylidenedioxy-6-oxygenated-Δ^{8}-steroids and process for the preparation thereof. 3,354,152, 11–21–67, Cl. 260—239.55.

Edwards, John A., J. H. Fried, and J. B. Siddall, to Syntex Corp. 2β,3β-alkylidenedioxy-6-hydroxy-22,23-bis-norchol-7-enoic acid alkyl esters and process for the production thereof. 3,354,154, 11–21–67, Cl. 260—239.55.

Edwards, John W., S. Sherratt, and P. A. Small, to Imperial Chemical Industries Ltd. Production of tetrafluoroethylene. 3,308,174, 3–7–67, Cl. 260—653.5.

Edwards, Joseph B., to Hanley Page Ltd. Aircraft aerodynamic structures. 3,309,042, 3–14–67, Cl. 244—42.

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Edwards, Lyman M., and E. B. Tickell, Jr., to PGAC Development Co. Acoustic logging apparatus with down hole receivers controlled by spaced switching. 3,303,461, 2–7–67, Cl. 340—18.

Edwards, Margaret M., to John Oster Mfg. Co. Electrical switch for food blender with improved contact detent structure. 3,299,226, 1–17–67, Cl. 200—16.

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Hagemeyer, Hugh J., Jr., Edwards, and Park. 3,304,292.

Edwards, Miles L., to Edwards Laboratories, Inc. Double cage heart valve. 3,325,827, 6–20–67, Cl. 3—1.

Edwards, O. M., Co., Inc.: *See*—
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Edwards, Ray C. Thermal switch device with adjusting bolt means for the arms of the U-shaped hinge assembly. 3,310,646, 3–21–67, Cl. 200—138.

Edwards, Ray C. System and apparatus for maintaining a constant temperature in a plurality of rooms. 3,316,959, 5–2–67, Cl. 165—22.

Edwards, Raymond R., to Nuclear Science and Engineering Corp. Method of tracing iodine using I-129. 3,339,072, 8–29–67, Cl. 250—106.

Edwards, Richard A., to SCM Corp. Punching system. 3,301,477, 1–31–67, Cl. 234—107.

Edwards, Richard A., to Gardner-Denver Co. Remote control for rock drill. 3,319,725, 5–16–67, Cl. 173—157.

Edwards, Richard A., C. A. Lindberg, E. E. Reynolds, and J. R. Wilson, Jr., to SCM Corp. Program unit for printing calculator. 3,335,947, 8–15–67, Cl. 235—60.

Edwards, Rivers E. Washing machine dump valve. 3,310,063, 3–21–67, Cl. 137—216.

Edwards, Robert, and W. A. Wheatley, to Electronic Assistance Corp. Fire alarms. 3,324,464, 6–6–67, Cl. 340—227.1.

Edwards, Robert B.: *See*—
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Edwards, Robert G., and C. Williams, to International Shoe Co. Splash and instep guard combination for boot-type shoe. 3,334,427, 8–8–67, Cl. 36—72.

Edwards, Roy E., to Girling Ltd. Automatic adjuster for shoe drum brakes. 3,335,822, 8–15–67, Cl. 188—79.5.

Edwards, Theodoric B., deceased, by H. M. Edwards, executrix. Powered vehicle wheel. 3,347,333, 10–17–67, Cl. 180—65.

Edwards, Thomas W.: *See*—
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Edwards, William R., to United States of America, Navy. Retro eject bomb rack. 3,295,410, 1–3–67, Cl. 89—1.5.

Edwards, William R., to Esso Research and Engineering Co. Method for making a rocket and missile fuel. 3,298,948, 1–17–67, Cl. 208—66.

Edwards, William R., to Esso Research and Engineering Co. Polymer. 3,299,022, 1–17–67, Cl. 260—88.2.

Edwards, William R., to Esso Research and Engineering Co. Hydrocarbon-insoluble poly-4-methyl-1-pentene. 3,317,500, 5–2–67, Cl. 260—93.7.

Edwards, William R., to Esso Research and Engineering Co. Soluble poly-4-methyl-1-pentene. 3,317,501, 5–2–67, Cl. 260—93.7.

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Eff, Christian A., to General Electric Co. Vaporizing apparatus for cleaning domestic oven. 3,331,943, 7–18–67, Cl. 219—398.

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Efstathiou, Evangelos. Suds producing appliance. 3,337,192, 8–22–67, Cl. 259—23.

Eft, Neil W., and R. E. Zimmermann, to The Babcock & Wilcox Co. Blast furnace pulvernized coal firing system. 3,301,544, 1–31–67, Cl. 266—28.

Eft, Neil W., to The Babcock & Wilcox Co. Pulverizer. 3,344,998, 10–3–67, Cl. 241—103.

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Egan, Clark J., to Chevron Research Co. Process for decolorizing oils. 3,340,183, 9–5–67, Cl. 208—212.

Egan, Edward F., to F. W. Egan & Co. Winder roll ejector. 3,345,010, 10–3–67, Cl. 242—66.

Egan, Edward F., to F. W. Egan & Co. Flying transfer winder. 3,350,027, 10–31–67, Cl. 242—58.4.

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Egan, Edward F. 3,350,027.
Willert William H. 3,355,763.

Egan, Gerald H., R. C. Smith, and S. M. Thompson, to General Motors Corp. Core drier clamping mechanism. 3,308,512, 3–14–67, Cl. 22—13.

Egan, James J. Electrocardiac instrument for testing unborn infants. 3,326,207, 6–20–67, Cl. 128—2.06.

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Egan, Thomas R.: *See*—
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Egbert, Charles W., to Borg-Warner Corp. Air conditioning systems. 3,318,371, 5–9–67, Cl. 165—2.

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Ege, Hans, to Underwriters Safety Device Co. Terminal blocks and connectors therefor. 3,356,986, 12–5–67, Cl. 339—193.

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Egerton, A. C., Engineering (Bromley) Ltd.: *See*—
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Eggeling, Ernst, H. Neese, and H. Nickel. Plant for the fabrication of light-weight concrete members. 3,344,492, 10–3–67, Cl. 25—2.

Eggen, Ingmar B., and R. H. Bundus, to Beatrice Foods Co. Citrate treatment of cheese with high temperature treatment. 3,297,451, 1–10–67, Cl. 99—116.

Eggen, Raymond B. Pressure booster apparatus for hydraulic brake systems. 3,332,239, 7–25–67, Cl. 60—54.5.

Eggenberger, Ulrich, to Gebrueder Buehler. Pressure casting machine having a hydraulically loadable shot unit. 3,319,701, 5–16–67, Cl. 164—315.

Eggenberger, Ulrich, to Gebruder Buhler. Mold closure apparatus. 3,327,353, 6–27–67, Cl. 18—30.

Eggenberger, Ulrich, and W. Schwertfeger, to Gebrüder Bühler. Pressure and injection moulding machine. 3,330,003, 7–11–67, Cl. 18—30.

Eggenstein, Horst, to Stadt Dusseldorf, vertreten durch den Oberstadtdirektor. Pilot flame burner, particularly for gases of low flammability. 3,315,724, 4–25–67, Cl. 158—115.

Egger, Emile, to Emile Egger & Co., AG. Pump casing. 3,316,848, 5–2–67, Cl. 103—103.

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Egger, Emile. 3,316,848.

Egger, Josef: *See*—
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Egger, Josef, H. Meitinger, and F. Esselborn, to The United States Time Corp. Watch indicator setting means. 3,303,641, 2–14–67, Cl. 58—85.5.

Egger, Josef, and H. Meitinger, to The United States Time Corp. Date indexing. 3,350,873, 11–7–67, Cl. 58—4.

Eggers, Carl A., to Jenkins Bros. Split sleeve plug valve having bonded polymeric material layer. 3,353,785, 11–21–67, Cl. 251—175.

Eggert, Walter S., Jr., to The Budd Co. Light weight utility vehicle. 3,323,608, 6–6–67, Cl. 180—54.

Egghart, Heinrich C., to United States of America, Army. Production of explosive azides in molten salt media. 3,345,130, 10–3–67, Cl. 23—101.

Eggington, Wilfred J., to Vickers-Armstrongs (Engineers) Ltd. Air cushion borne vehicles having endless flexible treads. 3,331,461, 7–18–67, Cl. 180—7.
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Ellis, Geoffrey H.: *See*— Ovens, Stanley F., and Ellis. 3,346,839.
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Ellis, Gwynn P., and A. H. Wragg, to Benger Laboratories Ltd. 2-carboxyalkylaminocarbonyl dihydropyrano chromones. 3,322,795, 5–30–67, Cl. 260—345.2.
Ellis, Herbert B., to Aerojet-General Corp. Evaporative non-mechanical heat sink refrigeration system. 3,339,374, 9–5–67, Cl. 62—113.
Ellis, Herbert B., R. G. Peoples, H. C. Krieg, R. S. Pickford, S. W. Baker, and J. E. Tahl, to Aerojet-General Corp. Cutoff control for test rocket motor. 3,306,047, 2–28–67, Cl. 60—223.
Ellis, Herbert B., R. G. Peoples, H. C. Krieg, Jr., R. S. Pickford, S. W. Baker, and J. E. Tahl, to Aerojet-General Corp. Apparatus facilitating tests of different orifice patterns for injector plate in test rocket motor. 3,330,116, 7–11–67, Cl. 60—258.
Ellis, Hubert C., to The Ellis Drier Co. Laundry machine. 3,321,941, 5–30–67, Cl. 68—24.
Ellis, Jean J.: *See*— Ellis, David G. 3,328,306.
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Ellis, John H., to The University of Kentucky Research Foundation. Means for automatically adjusting the position of sheet charts on reversible recorder drums. 3,331,080, 7–11–67, Cl. 346—125.
Ellis, John H. Automatic car wash. 3,349,783, 10–31–67, Cl. 134—45.
Ellis, John R. B., and M. F. Hughes, to Chevron Research Co. Method of carrying out exothermic vapor phase chemical reactions. 3,351,634, 11–7–67, Cl. 260—346.4.
Ellis, John T., Jr., to Ellis Fluid Dynamics Corp. Shock absorber. 3,307,842, 3–7–67, Cl. 267—1.
Ellis, John T., Jr., to Ellis Fluid Dynamics Corp. Adjustable shock absorber. 3,340,965, 9–12–67, Cl. 188—97.
Ellis, Lonnie T. Puzzle game apparatus. 3,359,004, 12–19–67, Cl. 273—153.
Ellis, Luke C. Traction apparatus. 3,353,532, 11–21–67, Cl. 128—75.
Ellis, Myron P., R. T. Murphy, and J. F. Horgan, to Micromatic Hone Corp. Bonded abrasive grade checking apparatus. 3,347,090, 10–17–67, Cl. 73—78.
Ellis, Nicholas D., to Anheuser-Busch, Inc. Carton. 3,348,758, 10–24–67, Cl. 229—44.
Ellis, Peter E., to National Biscuit Co. Process for manufacture of chocolate water-icings. 3,332,784, 7–25–67, Cl. 99—139.
Ellis, Rex M. Cleaning tool. 3,310,826, 3–28–67, Cl. 15—105.
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Ellis, Robert L., to Ward Aero, Inc. Fluid displacement devices having radially arranged cylinders. 3,357,364, 12–12–67, Cl. 103—174.
Ellis, Robert S., to The Taylor-Winfield Corp. Apparatus for aligning strip in strip joining equipment. 3,355,079, 11–28–67, Cl. 228—47.
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Ellis, Roger H., to Raychem Corp. Heat shrinkable solder sleeve. 3,305,625, 2–21–67, Cl. 174—84.
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Ellis, Stafford M., to Elliott Brothers (London) Ltd. Bearings. 3,358,513, 12–19–67, Cl. 74—5.
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Elliston, Thomas L., to Otis Engineering Corp. Mechanically set high temperature well packer. 3,330,357, 7–11–67, Cl. 166—134.
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Ellrott, Frederick, A. C., and C., and R. D. and D. H. Ashton, and E. S. Gomersall. Stock feed pelleting machine. 3,348,467, 10–24–67, Cl. 99—235.
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Ellsworth, Robert C., to American Fastener Corp. Apparatus for forming the head on a flat head screw. 3,304,561, 2–21–67, Cl. 10—7.

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Ellzey, Samuel E., Jr., to United States of America, Agriculture. (Perfluorodioxocycloalkyl) phosphonium betaines. 3,359,321, 12–19–67, Cl. 260—590.

Ellzey, Samuel E., Jr., J. S. Wittman III, W. J. Connick, Jr., and W. A. Guice, to United States of America, Agriculture. Process for the preparation of primary 1,1-dihydropolyfluoroalkyl amines. 3,338,968, 8–29–67, Cl. 260—583.

Elman, Stanley H., F. E. Woodward, and F. F. Sullivan, to General Aniline & Film Corp. Process for aerated drilling. 3,297,098, 1–10–67, Cl. 175—69.

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Elmer, Jack T., and B. G. Altmann, to Kaiser Aluminum & Chemical Corp. Refractory products and method. 3,333,972, 8–1–67, Cl. 106—58.

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Elo, Anssi T. T. Device for bringing articles submergible in water, such as marking floats and the like, back to the water surface. 3,310,820, 3–28–67, Cl. 9—9.

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Elslager, Edward F., and D. F. Worth, to Parke, Davis & Co. Pyrimethamine salt with brominated naphthoic acids. 3,316,268, 4–25–67, Cl. 260—256.4.

Elslager, Edward F., and D. F. Worth, to Parke, Davis & Co. Bisanilide compounds and methods for their production. 3,325,222, 6–13–67, Cl. 260—397.6.

Elslager, Edward F., and D. F. Worth, to Parke, Davis & Co. Halogenated cresol compounds and methods for their reproduction. 3,325,521, 6–13–67, Cl. 260—397.6.

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Elsner, Horst, H. Moser, and H.-E. Konermann, to Dynamit-Nobel Aktiengesellschaft. Preparation of polyolefins for chlorination and chlorination of polyolefins. 3,341,508, 9–12–67, Cl. 260—92.8.

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Emblem, Harold G., and C. E. Oxley, to Philadelphia Quartz Co. Refractory binder comprising organic silicates. 3,329,-520, 7–4–67, Cl. 106—287.
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Engelking, James E., to Sperry Rand Corp. Electrical circuit board fabrication. 3,325,881, 6–20–67, Cl. 29—155.5.
Engelman, Joseph H., and W. A. Witsell, to Burroughs Corp. Method for fabricating an electrical memory module. 3,347,703, 10–17–67, Cl. 117—212.
Engelmann, Alfred, Zahlerfabrik: *See*—
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Engels, Eugene L. Method and apparatus for positioning and orientating articles. 3,341,030, 9–12–67, Cl. 214—1.
Engels, Kaspar, and H. Durr, to Draiswerke G.m.b.H. Stirring mill. 3,311,310, 3–28–67, Cl. 241—153.
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Engelskirchen, Konrad, and J. Galinke, to Henkel & Cie, G.m.b.H. Hydroxyalkyl ethers of galactomannans and process for their preparation. 3,326,890, 6–20–67, Cl. 260—209.
Engelskirchen, Konrad, and J. Galinke, to Henkel & Cie, G.m.b.H. Process for the purification of water-soluble hydroxyethyl cellulose. 3,347,847, 10–17–67, Cl. 260—232.
Engelskirchen, Konrad, and J. Galinke, to Henkel & Cie G.m.b.H. Process for the purification of hydroxyalkyl ethers of galactomannans. 3,350,386, 10–31–67, Cl. 260—209.
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Winkler, Alfred, Engelsmann, Landbrecht, and Bammesberger. 3,354,803.
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Engelsmann, Dieter, and A. Brath, to Agfa Aktiengesellschaft. Devices for making exposures with artificial light. 3,296,947, 1–10–67, Cl. 95—1.
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Frisch, Arnold, Weiss, and Engelson. 3,325,754.
Enger, Lars S., to Aktiebolaget Electrolux. Absorption refrigeration. 3,338,066, 8–29–67, Cl. 62—141.
Engert, Fred O.: *See*—
Duenke, Clarence G., and Engert. 3,321,735.
Engert, Karl-Hans G., to Consolidated Electrodynamics Corp. Apparatus for measuring and testing electrical properties of nonconductive materials. 3,300,716, 1–24–67, Cl. 324—61.
Engesser, Heinz, and E. Brand, to Deere & Co. Power loader. 3,335,882, 8–15–67, Cl. 214—131.
Engh, Howard A. Vertical paint roller tray. 3,351,970, 11–14–67, Cl. 15—257.06.
Engh, Robert O., and R. G. Johnson, to Honeywell Inc. Radiation detector characterized by its minimum spurious count rate. 3,344,302, 9–26–67, Cl. 313—100.
Engholdt, Richard K., to Erie Mfg. Co. Flushing control for waste disposal systems. 3,300,148, 1–24–67, Cl. 241—33.
Engi, Walter, to A. Ditting. Slicing machine having knife sharpening means. 3,298,413, 1–17–67, Cl. 146—102.
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Engle, Charles J., to Phillips Petroleum Co. Oil recovery by waterflooding. 3,354,952, 11–28–67, Cl. 166—7.
Engle, Jack F., to Borg-Warner Corp. Differential mechanism. 3,327,559, 6–27–67, Cl. 74—711.
Engle, Jack F., to Borg-Warner Corp. Differential mechanism. 3,327,563, 6–27–67, Cl. 74—711.
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Engler, John F. Resilient support for a rotary mower housing. 3,334,476, 8–8–67, Cl. 56—322.
Engler, Otto, to Vereinigte Kesselwerke AG. Tube support for steam boilers having an upright wall formed by helically arranged tubes. 3,295,504, 1–3–67, Cl. 122—510.
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English, Charles L. Sealing means. 3,304,872, 2–21–67, Cl. 103—46.
English, Charles L., deceased, by M. K. English, executor. Constant volume flow control valve. 3,336,941, 8–22–67, Cl. 137—501.

English, Charles L., deceased (by M. K. English, executor). Flow indicator. 3,357,244, 12–12–67, Cl. 73—208.
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Burnett, Thomas B. 3,308,310.
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McMillan, Peter W., and Partridge. 3,352,656.
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Robinson, Alfred A. 3,328,632.
Wale, George D., Antippa, and Wilkins. 3,341,793.
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English, Jackson P., to American Cyanamid Co. Process for upgrading thiophosphates. 3,309,432, 3–14–67, Cl. 260—989.
English, Jackson P., F. L. Bach, Jr., and S. Gordon, to American Cyanamid Co. Aminoethoxyphenyl amine, ether, and sulfide derivatives of pyrimidine. 3,321,478, 5–23–67, Cl. 260—256.4.
English, Jackson P., F. L. Bach, Jr., and S. Gordon, to American Cyanamid Co. Aminoalkoxy-diphenyl amines, ethers and thioethers. 3,330,831, 7–11–67, Cl. 260—268.
English, Jackson P., F. L. Bach, Jr., and S. Gordon, to American Cyanamid Co. N-pyridyl-4-aminoalkoxy anilines. 3,330,832, 7–11–67, Cl. 260—268.
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English, William W. Kite construction. 3,350,014, 10–31–67, Cl. 244—153.
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Englund, Gosta R., and M. E. Mattsson, to Svenska Dataregister A.B. Keyboard assembly for accounting machine. 3,321,135, 5–26–67, Cl. 235—145.
Englund, Gosta R., and M. E. Mattsson, to Svenska Dataregister AB. Accounting machine including improved differential assemblies and controls therefor. 3,326,461, 6–20–67, Cl. 235—11.
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Engman, Milton C., and A. Van Zee, to Engman Mfg. Co. Clamp. 3,340,581, 9–12–67, Cl. 24—276.
Engstrom, Carl-Gunnar D. Valve device in gas systems. 3,349,790, 10–31–67, Cl. 137—247.17.
Engstrom, Oscar L. Replaceable valve seat for flush valves. 3,347,519, 10–17–67, Cl. 251—365.
Engstrom, William A., to Continental Motors Corp. Engine starting system. 3,338,227, 8–29–67, Cl. 123—120.
Engstrom, William A., and M. S. Wojewodzki. Flag pole painter. 3,344,773, 10–3–67, Cl. 118—307.
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Enk, Eduard, and H. Spes, to Wacker-Chemie G.m.b.H. Process for the hydrolysis of alkanol derivatives. 3,317,593, 5–2–67, Cl. 260—540.
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Enk, George W. Electrical timing apparatus. 3,346,779, 10–10–67, Cl. 317—141.
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Enkelmann, Walter, to Henschel-Werke A.G. Machine for grinding crankshafts. 3,352,065, 11–14–67, Cl. 51—105.
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Enrietto, Joseph F., to Jones & Laughlin Steel Corp. Process for producing non-aging steels. 3,348,980, 10–24–67, Cl. 148—16.
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Ensign, Robert H., to Hough Mfg. Corp. Folding partition. 3,331,426, 7–18–67, Cl. 160—199.

Ensing, Robert H., and G. H. Woods, to American Dispenser Co., Inc. Liquid soap dispensers. 3,319,835, 5–16–67, Cl. 222—180.
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Enskat, Albert G., to Uarco Inc. Stationary forms folding attachment for use with an associated business machine. 3,356,557, 12–5–67, Cl. 156—461.
Ensley, Donald L., to Harvest Queen Mill & Elevator Co. Two-crystal interferometer. 3,316,755, 5–2–67, Cl. 73—67.5.
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Ensor, Arthur J. Panel joint with hook-shaped bolt connecting device. 3,353,317, 11–21–67, Cl. 52—309.
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Entschel, Roland, C. Mueller, and W. Wehrli, to Sandoz Ltd. (a/k/a Sandoz A.G.). Basic monoazo and disazo dyestuffs containing a hydrazinium group. 3,337,523, 8–22–67, Cl. 260—165.
Entschel, Roland, C. Mueller, and W. Wehrli, to Sandoz Ltd., (a/k/a) Sandoz a.g. Basic monoazo and disazo dyestuffs containing a hydrazinium group. 3,341,514, 9–12–67, Cl. 260—165.
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Enz, Robert W., to Karl A. Enz. Tunneling and excaration through rock by core forming and removal. 3,325,217, 6–13–67, Cl. 299—31.
Enzian, Richard B., to United States of America, Air Force. Explosive hole cutters. 3,335,664, 8–15–67, Cl. 102—24.
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Eolkin, Dave, and R. J. Bouthilet, ½ to Norda Essential Oil and Chemical Co. Method of sterilizing dry particulate material. 3,341,335, 9–12–67, Cl. 99—150.
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Eos, Eric A. Collapsible chairs. 3,301,596, 1–31–67, Cl. 297—443.
Epilatron, Inc.: *See*—
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Epp, David A., to Henderson Mfg. Co., Inc. Irrigation pipe gate. 3,321,175, 5–23–67, Cl. 251—145.
Eppenberger, Paul, to Gebruder Buhler, Oscillating screen with hanger supports. 3,351,201, 11–7–67, Cl. 209—329.
Eppenberger, Paul, to Gebruder Buhler. Metering and control devices for feeder appliances. 3,321,144, 5–23–67, Cl. 241—34.
Eppendahl, Pierre C., ½ to Thermiguides S.A. Fluid control valves. 3,334,655, 8–8–67, Cl. 137—596.2.
Eppendahl, Pierre C., ½ to Thermiguides S.A. Bobbin supporting apparatus. 3,338,528, 8–29–67, Cl. 242—18.
Eppensteiner, Frederick W., to Hanson-Van Winkle-Munning Co. Electrodeposition of zinc from pyrophosphate solutions. 3,296,104, 1–3–67, Cl. 204—55.
Epperly, William R., and W. J. Asher, to Esso Research and Engineering Co. Molecular sieve separation process. 3,309,311, 3–14–67, Cl. 208—310.
Eppert, Franklin P., to General Electric Co. Multi-level ballast circuit including an isolation transformer for series circuit connection with a fluorescent lamp. 3,333,150, 7–25–67, Cl. 315—97.
Eppert, Franklin P., to General Electric Co. Lamp energizing system. 3,351,809, 11–7–67, Cl. 315—185.
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Epple, Robert E., to A. S. Epple Inc. Combination support and lid lifter device. 3,335,991, 8–15–67, Cl. 248—211.
Eppler, Arthur H.: *See*—
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Eppler, Arthur H. Apparatus for wet abrasive blasting. 3,343,304, 9–26–67, Cl. 51—8.
Eppler, Arthur H. Polishing apparatus. 3,352,063, 11–14–67, Cl. 51—8.
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Epstein, Herman, W. P. Foster, and T. L. Thourson, to Borg-Warner Corp. Charge head array for electrostatic printing system. 3,335,322, 8–8–67, Cl. 317—3.
Epstein, Herman, and S. Cogan, to Borg-Warner Corp. Tape transport method. 3,347,481, 10–17–67, Cl. 242—55.12.
Epstein, Joshua, to Acme Process Equipment Co. Flushing means for a grain discharge valve. 3,307,573, 3–7–67, Cl. 137—240.
Epstein, Martin, S. A. Buckler, A. E. Sherr, and H. C. Gillham, to American Cyanamid Co. Resinous polymeric reaction products of phosphorus and a polyamine. 3,332,889, 7–25–67, Cl. 260—2.
Epstein, Michael M., and J. E. Rhoads, to J. E. Rhoads & Sons, Inc. Polyurethane-polyamide article and method of preparation. 3,300,370, 1–24–67, Cl. 161—190.
Epstein, Morton B., and J. F. Gerecht, to Colgate-Palmolive Co. Resolution of terpene alcohols by elution chromatography using optically active polymer. 3,305,591, 2–21–67, Cl. 260—631.
Epstein, Peter F., to Stauffer Chemical Co. S-(2,5-dichloro-3-thienyl-thiomethyl)-O,O-diethyl-phosphorodithioate. 3,341,553, 9–12–67, Cl. 260—332.5.
Epstein, Peter F., and M. E. Brokke, to Stauffer Chemical Co. Pyridyl-phosphorodithioic acid esters and methods of killing pests. 3,304,226, 2–14–67, Cl. 167—33.
Epstein, Philip L., to Quindar Electronics, Inc. Telemetering apparatus. 3,339,193, 8–29–67, Cl. 340—207.
Epstein, Philip L., and K.-S. Wang, to Quindar Electronics, Inc. Simplified compressor amplifier circuit utilizing a field effect transistor feedback loop and auxiliary solid state components. 3,334,308, 8–1–67, Cl. 330—24.
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Epsztein, Bernard, to CSF-Compagnie Generale de Telegraphie Sans Fil. High power electron tube with multiple locked-in magnetron oscillators. 3,324,341, 6–6–67, Cl. 315—3.6.
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Eratico, Rose R. Writing implement mechanism. 3,315,643, 4–25–67, Cl. 120—42.03.
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Erb, Ernst, to Erba Maschinenbau A.G. Yarn conditioning arrangement. 3,318,013, 5–9–67, Cl. 34—12.
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Erbguth, Paul F. K. Flower holder. 3,303,611, 2–14–67, Cl. 47—41.11.
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Ercoli, Alberto, to Francesco Vesmara S.p.A. Oral compositions containing 3-enol ethers of progesterone or 6-methyl derivatives thereof and method of using the same. 3,342,682, 9–19–67, Cl. 167—74.
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Erdle, Louis V., to Hughes Aircraft Co. Tracking system for communication satellites. 3,309,699, 3–14–67, Cl. 343—6.5.
Erdley, Harold F., J. S. Lipman, and S. Shapiro, to Litton Systems, Inc. Vibra-rotor gyroscope. 3,318,160, 5–9–67, Cl. 74—5.4.
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Erdmann, Hans, and L. F. Schmid, to Alfred Teves Maschinen- und Armaturenfabrik. Shock absorber for vehicular suspension systems. 3,353,813, 11–21–67, Cl. 267—8.
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Erhardt, Fred L. Retractable fishing gaff. 3,311,398, 3–28–67, Cl. 294—19.
Erhardt, Max, J. Behringer, and W. Fuchs, to R. Zimmermann, oHG. Releasable retaining means for the bowls of electric all-glass-lamps. 3,312,817, 4–4–67, Cl. 240—128.
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Erickson, Everett L., to Continental Oil Co. Near-surface velocity logger. 3,353,622, 11–21–67, Cl. 181—.5.
Erickson, Everett L., and J. T. Cherry, to Continental Oil Co. Method and apparatus for obtaining shear wave velocities. 3,354,983, 11–28–67, Cl. 181—.5.
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Erickson, Frederick E., to E. W. Bliss Co. Solenoid operated clutch mechanism. 3,340,975, 9–12–67, Cl. 192—81.
Erickson, Frederick E., to E. W. Bliss Co. Clutch mechanism. 3,355,602, 11–28–67, Cl. 307—141.4.
Erickson, Gerald. Chimed bottle. 3,298,514, 1–17–67, Cl. 206—65.
Erickson, Gerald. Divisible carrying case. 3,343,705, 9–26–67, Cl. 220—23.4.
Erickson, Henry, and H. G. Russell, to Sinclair Research, Inc. Method for transferring a slurry of catalysts to a regeneration zone. 3,295,897, 1–3–67, Cl. 302—66.
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Erickson, Herbert V. Chain saw chain. 3,298,406, 1–17–67, Cl. 143—32.
Erickson, Howard L., to The Dole Valve Co. Direct fill valve. 3,327,729, 6–27–67, Cl. 137—343.
Erickson, Howard L., to The Dole Valve Co. Dual safety valve assembly. 3,333,602, 8–1–67, Cl. 137—614.11.
Erickson, Howard L., to The Dole Valve Co. Thermostatic valve system. 3,337,130, 8–22–67, Cl. 236—12.
Erickson, Howard L., and W. G. Huley, to The Dole Valve Co. Construction for solenoid device. 3,331,042, 7–11–67, Cl. 335—260.
Erickson, Howard L., and W. G. Huley, to The Dole Valve Co. Vending machine valves. 3,342,452, 9–19–67, Cl. 251—118.
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Erickson, John W., to Westinghouse Electric Corp. Dynamoelectric machines. 3,319,100, 5–9–67, Cl. 310—168.
Erickson, John W., to Preco Inc. Load divider support mechanism. 3,319,584, 5–16–67, Cl. 105—376.
Erickson, John W., to Preco Inc. Wall fillers. 3,345,955, 10–10–67, Cl. 105—369.

Erickson, John W., to Preco Inc. Load divider support mechanism with retainer. 3,358,617, 12–19–67, Cl. 105—376.
Erickson, Kent E., 50% to W. C. Finch. Optical sighting instrument utilizing two annular conical reflecting surfaces. 3,297,390, 1–10–67, Cl. 350—55.
Erickson, Louis A., and E. R. Hogan, to Smith-Berger Mfg. Corp. Yarder. 3,323,780, 6–6–67, Cl. 254—185.
Erickson, Louis A., E. R. Hogan, and B. R. Klinke, to Smith-Berger Mfg. Corp. Spar tower erecting and anchoring system. 3,344,568, 10–3–67, Cl. 52—116.
Erickson, Louis A., B. R. Klinke, and R. I. Karr, to Smith-Berger Mfg. Corp. Power braking and regenerative system. 3,346,237, 10–10–67, Cl. 254—185.
Erickson, Paul N., to Evans Products Co. Phenolic resin cellular materials and method for making same. 3,300,-419, 1–24–67, Cl. 260—2.5.
Erickson, Paul N., to Evans Products Co .Method of protecting surface from fire. 3,320,087, 5–16–67, Cl. 117—137.
Erickson, Raymond C.: *See*—
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Erickson, Raymond C., W. E. Brown, and R. W. Thoma, to E. R. Squibb & Sons, Inc. Process for preparing 1-dehydro steriods. 3,360,439, 12–26–67, Cl. 195—51.
Erickson, Richard W., to International Omni-Pak Corp. Container carrier. 3,344,950, 10–3–67, Cl. 220—102.
Erickson, Robert A., H. N. Short, and R. V. Gillette, to United States of America, Air Force. Automatic test apparatus for displaying semiconductor device characteristic curves. 3,323,059, 5–30–67, Cl. 324—158.
Erickson, Robert L., to C. E. Erickson Co., Inc. Milk carton container. 3,301,428, 1–31–67, Cl. 220—4.
Erickson, Robert W., to The Regents of the University of Minnesota. Wood drying method. 3,309,778, 3–21–67, Cl. 34—5.
Erickson, Roger D., to Honeywell Inc. Electronic flash with automatic termination means. 3,350,603, 10–31–67, Cl. 315—151.
Erickson, Roger D., to Honeywell Inc. Flash lamp controlled by photosensitive light integrating device. 3,350,604, 10–31–67, Cl. 315—151.
Erickson, Roger L., and M. W. Cole, to The Perry Co. Diving board. 3,342,483, 9–19–67, Cl. 272—66.
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Ericson, Eric A., to General Electric Co. Handle assembly for circuit breakers. 3,301,989, 1–31–67, Cl. 200—172.
Ericson, Eric A., to General Electric Co. Busway stab contact. 3,331,049, 7–11–67, Cl. 339—252.
Ericson, Eric A., to General Electric Co. Fusible busway plug structure with movable plug carrier member. 3,335,329, 8–8–67, Cl. 317—116.
Ericson, John F. E., to Marvel Industries, Inc. Multiple drum handling device. 3,338,616, 8–29–67, Cl. 294—81.
Ericson, Richard E., to The Kendall Co. Urine collector for infants. 3,295,145, 1–3–67, Cl. 4—110.
Ericson, Richard E., to The Kendall Co. Self-sealing pressure valve or inflatable splints and other devices. 3,332,415, 7–25–67, Cl. 128—87.
Ericson, Richard E., to The Kendall Co. Urine collection bag. 3,343,542, 9–26–67, Cl. 128—275.
Ericsson, Eric A., to Telefonaktiebolaget L M Ericsson. Level control device. 3,306,982, 2–28–67, Cl. 179—16.
Ericsson, James W., and R. E. Prescott, to Bell Telephone Laboratories, Inc. Combination telephone enclosure mounting and shelf. 3,338,602, 8–29–67, Cl. 52—28.
Ericsson, Samuel S. Percussion tool with replaceable point. 3,336,081, 8–15–67, Cl. 299—91.
Ericsson, Sven, and A. O. E. Lenander, to Platmanufaktur, AB. Method of producing conical vessels. 3,348,512, 10–24–67, Cl. 113—120.
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Erikson, Herman E., to Polaroid Corp. Photographic processing apparatus. 3,318,221, 5–9–67, Cl. 95—89.
Erikson, Herman E., to Polaroid Corp. X-ray film cassette for back-reflection laué exposures having film insertion and removal means. 3,330,953, 7–11–67, Cl. 250—68.
Erikson, Herman E., to Polaroid Corp. Photographic processing apparatus. 3,335,652, 8–15–67, Cl. 95—89.
Erikson, Herman E., to Polaroid Corp. Photographic film assembly. 3,357,331, 12–12–67, Cl. 95—13.
Erikson, Herman E., and H. J. Frede, to Polaroid Corp. Photographic products and process. 3,345,176, 10–3–67, Cl. 96—79.
Erikson, J. Alden, and A. N. Salem, to Pittsburgh Plate Glass Co. Production of hexamethylol-melamine and hexakis (methoxy-methyl) melamine. 3,322,762, 5–30–67, Cl. 260—249.6.
Erikson, Robert W., to Sunstrand Corp. Relief and by-pass valve for fuel burners. 3,307,569, 3–7–67, Cl. 137—116.
Erikson, Robert W., and N. E. Swedberg, to Sundstrand Corp. Automatically reversible gear pump. 3,343,494, 9–26–67, Cl. 103—126.
Erikson, Robert W., and N. E. Swedberg, to Sundstrand Corp. Fuel pump assembly. 3,360,190, 12–26–67, Cl. 230—139.
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Eriksson, Elof E., and S. G. Sem-Sandberg, to Telefonaktiebolaget LM Ericsson. Comparator circuit using a transistor gated blocking oscillator. 3,299,282, 1–17–67, Cl. 307—88.5.
Eriksson, Elof E., and H. N. C. Stang, to Telefonaktiebolaget L M Ericsson. Temperature compensated voltage comparison means. 3,344,287, 9–26–67, Cl. 307—88.5.
Eriksson, George J., to Superior Concrete Accessories, Inc. Waler clamp assembly. 3,315,937, 4–25–67, Cl. 249—44.
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Eriksson, Lars G. A., to Svenska Skumslacknings Aktiebolaget. Fire extinguishing apparatus comprising a buoyant hose. 3,297,093, 1–10–67, Cl. 169—4.
Eriskson, Sven, and B. Nyquist, to Swedish Computer A.B. Race track betting data handling system. 3,327,292, 6–20–67, Cl. 340—172.5.
Eriksson, Sven A., M. Fischler, and A. S. Gidlund, to Aktiebolaget Astra Apotekarnes Kemiska Fabriker. Method to produce roentgenographic pictures and composition for realization of the method. 3,340,151, 9–5–67, Cl. 167—66.
Eriksson, Sven-Erik N., to Atlas Copco Aktiebolag. Loader shovels and shovel tilting means. 3,313,437, 4–11–67, Cl. 214—768.
Erk, Amir. Sheet collecting mechanism. 3,345,923, 10–10–67, Cl. 93—93.
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Erkes, Joseph P. Apparatus for weaving pile fabrics. 3,295,-561, 1–3–67, Cl. 139—46.
Erkes, Joseph P. Mechanism for regulating pile warp tension in looms. 3,360,012, 12–26–67, Cl. 139—102.
Erkfritz, Donald S., to Futurmill, Inc. Milling tool. 3,354,526, 11–28–67, Cl. 29—96.
Erlander, Stig R., and R. Tobin, to United States of America, Agriculture. Solvent and process for obtaining undepolymerized amyloses. 3,306,772, 2–28–67, Cl. 127—70.
Erlandsen, Oscar, to Thurston Erlandsen Corp. Lightweight cellar doors. 3,340,649, 9–12–67, Cl. 49—367.
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Erlemann, Gustav, W. Guex, and O. Schnider, to Hoffmann-La Roche Inc. Cosmetic composition exhibiting pantothenic acid activity. 3,322,635, 5–30–67, Cl. 167—90.
Erlemann, Gustav, P. Fahrni, and O. Schnider, to Hoffmann-La Roche Inc. α,α-disubstituted-β-amino propionic acids. 3,328,436, 6–27–67, Cl. 260—404.
Erlenmeyer, Hans. Filter material for tobacco smoke. 3,338,-249, 8–29–67, Cl. 131—261.
Erlenstadt, Gunter, and H. Dorner, to "Rhewum" Rheinische-Werkzeug- und Maschinenfabrik G.m.b.H., Firma. Screen with vibration isolated vibration generator. 3,325,007, 6–13–67, Cl.209—315.
Erlenstädt, Günter, and H. Dörner, to Firma "Rhewum" Rheinische Werkzeug- und Maschinenfabrik G.m.b.H. Screen with spring supported vibratory drive. 3,330,411, 7–11–67, Cl. 209—257.
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Evans, David D., to Parke, Davis & Co. 3-(p-aminophenoxy) estra-1,3,5(10)-trienes. 3,314,978, 4–18–67, Cl. 260—397.5.
Evans, David E., to Parke, Davis & Co. 2-{[(estra-1,3,5(10)-trien-3-yl)oxy]lower alkyl}-2-thiopseudourea compounds and their acid addition salts. 3,336,345, 8–15–67, Cl. 260—397.4.
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Evans, Evan W., and M. D. Smith, to Imperial Metal Industries (Kynoch) Ltd. Titanium-base alloys. 3,340,051, 9–5–67, Cl. 75—175.5.
Evans, Evan W., and D. G. Lees, to Imperial Metal Industries (Kynoch) Ltd. Method of treating zirconium-base alloys. 3,341,373, 9–12–67, Cl. 148—12.7.
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Evans, George L., C. I. Heller, and B. S. Schwartz, to Warner-Lambert Pharmaceutical Co. Diagnostic preparation for the detection of acetylmethylcarbinol. 3,359,180, 12–19–67, Cl. 195—103.5.
Evans, George S., to Westinghouse Electric Corp. High-output fluorescent lamp with improved phosphor-coated glass structure that defines a recombination surface and enhances lumen maintenance. 3,339,101, 8–29–67, Cl. 313—109.
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Evans, James W., and C. S. McWilliams, to American Maize-Products Co. Cake mix, batter, method of making a cake and the resulting product. 3,346,389, 10–10–67, Cl. 99—92.
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Evans, John S., to The Upjohn Co. Composition containing 1 - β - D - arabinofuranosylcytosin useful in treating mice tumors. 3,320,132, 5–16–67, Cl. 167—78.
Evans, John T., to General Electric Co. Automatic control apparatus. 3,327,101, 6–20–67, Cl. 235—151.11.
Evans, John T., to General Electric Co. Apparatus to permit both contouring and numerical positioning operations with a common control system. 3,349,229, 10–24–67, Cl. 235—151.11.
Evans, Joseph R., and J. H. Blackburn, to Draper Corp. Loom shedding mechanism. 3,307,592, 3–7–67, Cl. 139—79.
Evans, Joseph R., and G. S. Robinson, to Draper Corp. Shuttle binder control mechanism. 3,322,161, 5–30–67, Cl. 139—187.
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Evans, Robert D., and H. W. Breathitt, Jr., to Continental Oil Co. Floatation and size classification of solids. 3,322,272, 5–30–67, Cl. 209—12.
Evans, Robert M., to The Master Mechanics Co. Hydraulic cement compositions and methods. 3,360,493, 12–26–67, Cl. 260—29.6.
Evans, Robert T., to Halliburton Co. Retrievable bridge plug. 3,308,886, 3–14–67, Cl. 166—134.
Evans, Robert W., W. D. Todd, and H. J. Essig, to The B. F. Goodrich Co. Heat-fusible composition comprised of vinyl halide resin, epoxy resin and acid plasticizer. 3,354,109, 11–21–67, Cl. 260—31.8.
Evans, Robley W., to Chainbelt Rex Inc. Variable rate feeders. 3,314,298, 4–18–67, Cl. 74—26.
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Evans, William L., to E. I. du Pont de Nemours and Co. Flexible detonating compositions containing high explosives and polymeric metallocarboxylates. 3,338,764, 8–29–67, Cl. 149—19.
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Every, Richard L., and D. A. Shock, to Continental Oil Co. Method for transporting sulfur by pipeline. 3,339,985, 9–5–67, Cl. 302—66.

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Farquhar, Melville T., to Reynolds Metals Co. Container and blanks for making same. 3,324,999, 6–13–67, Cl. 206—46.
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La Porte, Gerald E., Lear, and Whitcher. 3,310,869.
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Fekete, Frank, P. J. Keenan, and W. J. Plant, to H. H. Robertson Co. Ethylenically unsaturated di- and tetra-urethane monomers. 3,297,745, 1–10–67, Cl. 260—471.
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Felcheck, Marvin, to American Machine & Foundry Co. Electronic ordering, computing and bill-printing system. 3,314,049, 4–11–67, Cl. 340—172.5.
Felcheck, Marvin, and N. N. Murthy, to American Machine & Foundry Co. Electronic control of printer in restaurant billing system. 3,296,960, 1–10–67, Cl. 101—93.
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Feld, Erich, W. Kleinlein, and R. Liebenhoff, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Device for converting pasty material into vermicular threads prior to drying. 3,316,591, 5–2–67, Cl. 18—12.
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Feldhoff, Manfred, A. G. M. Gumboldt, and J. Helberg, to Hercules Inc. Process for copolymerizing α-olefins with tertiary n-alkylene-arylamines. 3,308,108, 3–7–67, Cl. 260—88.1.
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Feldman, Alfred P. Two-dimensional structure encoding typewriter. 3,358,804, 12–19–67, Cl. 197—20.
Feldman, Allan M., and A. K. Hoffmann, to American Cyanamid Co. Cyclic nitroxides and process for preparing same. 3,334,103, 8–1–67, Cl. 260—290.
Feldman, Allan M., and A. K. Hoffmann, to American Cyanamid Co. Novel carbinols and process for preparation. 3,354,230, 11–21–67, Cl. 260—618.
Feldman, Charles L., and G. F. Harper, to Joseph Kaye & Co., Inc. Heat engine apparatus and method. 3,358,451, 12–19–67, Cl. 60—108.
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Feldman, John E., to Airtex Products Division of United Industrial Syndicate. Electric fuel pump. 3,320,894, 5–23–67, Cl. 103—53.
Feldman, Julian, to National Distillers and Chemical Corp. Azeotropic distillation of a linear octatrienevinylcyclohexene mixture with acetonitrile. 3,338,801, 8–29–67, Cl. 203—60.
Feldman, Julian, and M. Thomas, to National Distillers and Chemical Corp. Aminoalkanenitriles and process for preparing the same. 3,322,815, 5–30–67, Cl. 260—465.5.
Feldman, Julian, and M. Thomas, to National Distillers and Chemical Corp. Process for preparing aminoalkanenitriles. 3,350,439, 10–31–67, Cl. 260—465.5.
Feldman, Keiva, to Computing Devices of Canada Ltd. Analog function generator. 3,354,299, 11–21–67, Cl. 235—197.
Feldman, Klaus, H. Harnisch, J. Kandler, and W. Gerhardt, to Knapsack-Griesheim Aktiengesellschaft. Process for the manufacture of rounded powdered magnetite particles. 3,309,435, 3–14–67, Cl. 264—12.
Feldman, Louis I., C. E. Holmlund, and K. J. Sax, to American Cyanamid Co. Method of preparing 1,2-disubstituted steroids and products resulting therefrom. 3,297,687, 1–10–67, Cl. 260—239.55.
Feldman, Louis I., C. E. Holmlund, and K. J. Sax, to American Cyanamid Co. Method of preparing 1,2-dihydroxy steroids and derivatives thereof. 3,355,360, 11–28–67, Cl. 195—51.
Feldman, Osias, N. Birlea, S. Pirvulescu, L. Caruceru, and H. Weinberg, to Ministerul Industriel Chimice. Automatic unit for packing of carbide pellets in drums. 3,336,955, 8–22–67, Cl. 141—72.
Feldman, Rubin, to Emerson Electric Co. Thermal-structural system. 3,300,139, 1–24–67, Cl. 239—127.3.
Feldman, Rubin, to Emerson Electric Co. Temperature measurement by sublimation of layers of radioactive material. 3,329,022, 7–4–67, Cl. 73—358.

Feldman, Saul, and R. S. Hickman, to Heliodyne Corp. Shock chamber. 3,335,601, 8–15–67, Cl. 73—12.
Feldman, Seymour L. Reducible cardboard containers. 3,310,220, 3–21–67, Cl. 229—35.
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Felici, Noel J., to SAMES, Societe Anonyme de Machines Electrostatiques. Electrostatic apparatus for voltage regulation. 3,324,382, 6–6–67, Cl. 322—2.
Felici, Noel J. O. J. Method and means for controlling the electric potential of aircraft in flight and application to the electrostatic spray treatment of vegetation. 3,297,281, 1–10–67, Cl. 244—136.
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Felix, Michael O., to Ampex Corp. Device for reducing noise in F.M. carrier recording. 3,356,794, 12–5–67, Cl. 179—100.2.
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Fell, Eric T., and S. A. Fox, to Precision Processes (Textiles) Ltd. Permonosulfuric acid-hydrogen peroxide wool shrink-proofing combined with dyeing. 3,351,419, 11–7–67, Cl. 8—17.
Fell, Morris B., and C. J. Burdick, to The Bradford Companies. Removable form for use in cement lining pipe. 3,345,031, 10–3–67, Cl. 249—204.
Fell, William F. Method of loading and unloading storage tanks in vessels. 3,307,512, 3–7–67, Cl. 114—74.
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Felsenfeld, Gary, to United States of America, Health, Education and Welfare. Exponential feed method and apparatus. 3,342,695, 9–19–67, Cl. 195—102.
Felsenthal, Harry D., Jr., W. W. Nakashima, W. E. Zecher, and E. F. Ecker, to United States of America, Navy. Sea state recorder. 3,301,048, 1–31–67, Cl. 73—170.
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Felton, Joseph B., Jr., J. F. Turner, A. D. Duncan, Jr., W. J. Funderburk, and R. Bart, to West Virginia Pulp and Paper Co. Cellulose fiber cans. 3,311,033, 3–28–67, Cl. 93—39.1.
Felton, Joseph B., Jr., J. F. Turner, A. D. Duncan, Jr., W. J. Funderburk, and R. Bart, to West Virginia Pulp and Paper Co. Cellulose fiber cans, 3,322,318, 5–30–67, Cl. 229—3.5.
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Fender, Clarence L., to Columbia Broadcasting System, Inc. Guitar, and method of manufacturing the same. 3,302,507, 2–7–67, Cl. 84—267.
Fender, Clarence L., to Columbia Broadcasting System, Inc. String mounting for steel pedal guitars. 3,352,188, 11–14–67, Cl. 84—312.
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Fener, Alfred. Anti-clogging packaging machine. 3,307,323, 3–7–67, Cl. 53—180.
Fener, Alfred. Method and means for covering books with thermoplastic sheeting. 3,326,578, 6–20–67, Cl. 281—34.
Fener, Alfred. Heat sealing apparatus for making contoured seams. 3,334,005, 8–1–67, Cl. 156—583.
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Fenske, Ellsworth R., to Universal Oil Products Co. Chromatographic analysis with automatic baseline compensation. 3,345,859, 10–10–67, Cl. 73—23.1.
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Fenton, Aaron J. Axle caps for sports car wheels. 3,336,084, 8–15–67, Cl. 301—108.
Fenton, Aaron J. Axle cap for sports car wheels. 3,346,304, 10–10–67, Cl. 301—108.
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Fenton, Donald M., to Union Oil Co. of California. Preparation of β-alkoxy compounds. 3,316,290, 4–25–67, Cl. 260—484.
Fenton, Donald M., to Union Oil Co. of California. Process for preparing lactams by oxidation of cyclic amines. 3,336,299, 8–15–67, Cl. 260—239.3.
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Fenton, Donald M., to Union Oil Co. of California. Process for alkylation of aromatics using a rhenium oxide catalyst. 3,342,887, 9–19–67, Cl. 260—671.
Fenton, Donald M., to Union Oil Co. of California. Preparation of trialkyl phosphates from dialkyl phosphonates. 3,342,909, 9–19–67, Cl. 260—970.
Fenton, Donald M., and K. L. Olivier, to Union Oil Co. of California. Oxidative carbonylation of olefins in the presence of a dehydrated aluminosilicate molecular sieve. 3,346,625, 10–10–67, Cl. 260—497.
Fenton, Donald M., and K. L. Olivier, to Union Oil Co. of California. Oxidative carbonylation of olefins in the presence of inorganic acid anhydrides. 3,349,119, 10–24–67, Cl. 260—497.
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Ferguson, John D., to Hercules Inc. Aqueous blasting compositions containing flake aluminum and sugar. 3,333,998, 8–1–67, Cl. 149—21.
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Fischer, Edgar, and K. Kullmar, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the continuous polymerization or copolymerization of trioxane in the molten state with solid aryl diazonium fluoroborate compositions. 3,303,039, 2–7–67, Cl. 106—270.
Fischer, Edgar H., to United States of America, Navy. Automation command circuit. 3,348,226, 10–17–67, Cl. 343—225.
Fischer, Edward L., to Thiokol Chemical Corp. Nozzle construction. 3,352,495, 11–14–67, Cl. 239—265.15.
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Fischer, Ernst. Center mechanism for machine tools. 3,334,-531, 8–8–67, Cl. 82—33.
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Fischer, Eugene M., and F. M. Linn, to General Mills, Inc. Polyamides of polymeric fat acids. 3,297,730, 1–10–67, Cl. 260—404.5.
Fischer, Ewald L., and M. A. Mertes. Side rail construction for billiard tables. 3,330,559, 7–11–67, Cl. 273—9.
Fischer, Franz, to Eltra Corp. Photographic type placement system. 3,320,851, 5–23–67, Cl. 88—24.
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Fischer, Harry C. Artificial oyster cultch. 3,316,881, 5–2–67, Cl. 119—4.
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Fischer, Harry G. Support assembly for fixtures or the like. 3,329,387, 7–4–67, Cl. 248—342.
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Fischer, Howard R., and L. F. Marcantonio, to Chicago Pneumatic Tool Co. Power operated duct rodder. 3,322,385, 5–30–67, Cl. 254—134.6.
Fischer, Israel L., to The Bendix Corp. Circuit for improving the signal-to-noise ratio of photoelectric devices. 3,333,106, 7–25–67, Cl. 250—214.
Fischer, Israel L., W. W. Lee, T. J. Meloro, and B. Spieker, to The Bendix Corp. Compact sub-miniature optical pickup assembly. 3,349,246, 10–24–67, Cl. 250—239.
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Fischer, Karl. Electric hotplate and method of making same. 3,300,621, 1–24–67, Cl. 219—457.
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Fischer, Klaus, to Werner & Pfleiderer. Kneading machine for kneading plastic material. 3,357,373, 12–12–67, Cl. 107—9.
Fischer, Kurt, J. Hirschbeck, and F. Lohofer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for obtaining olefins and/or carbon monoxide by absorption and desorption. 3,305,596, 2–21–67, Cl. 260—677.
Fischer, Max, and G. Brink, to Robert Bosch G.m.b.H. Membrane switch with first and second independently movable portions. 3,303,306, 2–7–67, Cl. 200—83.
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Fischer, Paul E., W. C. Buss, and E. A. Goldsmith, to Chevron Research Co. Hydrocarbon conversion catalysts comprising molybdenum sulfide and nickel sulfide dispersed within alumina. 3,320,181, 5–16–67, Cl. 252—439.
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Fischer, Ronald A. and A. R. Extension cord connector. 3,315,213, 4–18–67, Cl. 339—91.
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Fischer, Stefan. Apparatus for withdrawing and transferring molded objects from a blowing mold. 3,332,109, 7–25–67, Cl. 18—5.
Fischer, Stefan. Device for making hollow bodies from thermoplastic material. 3,350,740, 11–7–67, Cl. 18—5.

Fischer, Walter, to International Standard Electric Corp. Adjustable three point bearing holding device for magnetic heads. 3,310,791, 3–21–67, Cl. 340—174.1.

Fischer, Walter, to Sprague Electric Co. Magnetic core memory device. 3,316,541, 4–25–67, Cl. 340—174.

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Fischman, Martin, to General Telephone and Electronics Laboratories, Inc. Pulse generator with transformer coupling of controlled rectifier electrodes to effect free-running or triggered operation. 3,313,957, 4–11–67, Cl. 307—88.5.

Fischman, Martin, and E. A. Murphy, to General Telephone and Electronics Laboratories, Inc. Transistorized frequency multiplier and amplifier circuits. 3,335,290, 8–8–67, Cl. 307—88.5.

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Fish, Aaron M., to A. M. Fish Holdings Ltd. Door locking means. 3,353,383, 11–21–67, Cl. 70—151.

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Fish, Daniel C. E., and R. B. Campbell, to Dracone Developments Ltd. Strain gauge for large extensions. 3,332,280, 7–25–67, Cl. 73—88.5.

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Fish, Lawrence W., Jr., and G. C. Russell, to H. H. Scott, Inc. Monophonic-stereophonic automatic switching and demodulator circuit. 3,296,378, 1–3–67, Cl. 179—15.

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Fish, Leslie A.: *See*—
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Fish, Percy C., to The Dow Chemical Co. Foam resin insulated joint. 3,323,267, 6–6–67, Cl. 52—309.

Fish, Richard H., and N. A. Zellmer, to Automatic Electric Laboratories, Inc. Gain regulation circuit utilizing electrochemical memory means in variolosser control circuit. 3,328,716, 6–27–67, Cl. 330—138.

Fish, Richard H. Adjustable agricultural spray mechanism. 3,341,126, 9–12–67, Cl. 239—78.

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Fish, William A., Jr., to Westinghouse Electric Corp. Puffer-type fluid-blast circuit interrupter with pressurized casing for actuating driving piston. 3,311,726, 3–28–67, Cl. 200—148.

Fish, William A., Jr., to Westinghouse Electric Corp. Fluid-operating mechanism for a circuit interrupter. 3,324,265, 6–6–67, Cl. 200—148.

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Fish, William A., Jr., to Westinghouse Electric Corp. Pneumatic control for compressed-gas circuit breaker having pressurized tank with insulating control tubes pressurized in both the open and closed-circuit positions. 3,358,106, 12–12–67, Cl. 200—148.

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Fishaber, Marvin H., to The Dow Chemical Co. Powderless etching bath and method for etching curved segments. 3,320,171, 5–16–67, Cl. 252—79.4.

Fishaber, Marvin H., and J. D. Hickerson, to The Dow Chemical Co. Etching machine paddle. 3,330,212, 7–11–67, Cl. 103—84.

Fisher, Albred G. Articulated vehicle. 3,353,618, 11–21–67, Cl. 180—14.

Fisher, Alec. Series direct current motor field poles. 3,296,-472, 1–3–67, Cl. 310—186.

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Fisher, Bernard C., to Neutronic Development Corp. Spark plug with anti-fouling means and fixed spark gap. 3,300,-672, 1–24–67, Cl. 313—120.

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Fisher, Bryant W., to Consolidated Electronics Industries Corp. Printed circuit board forming closure for electrical relay. 3,339,117, 8–29–67, Cl. 317—101.

Fisher, C. Joe. Low ambient head pressure stabilizer system. 3,323,318, 6–6–67, Cl. 62—196.

Fisher, Calvin D., to Roberts Dairy Co. Dry confection mixes and processes for producing same. 3,357,840, 12–12–67, Cl. 99—136.

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Fisher, Chester D., to Sprout, Waldron & Co., Inc. Mixer 3,318,582, 5–9–67, Cl. 259—97.

Fisher, Chester D., to Sprout, Waldron & Co., Inc. Apparatus for mixing particulate materials. 3,338,559, 8–29–67, Cl. 259—3.

Fisher, Chester D. Bucket elevator. 3,343,654, 9–26–67, Cl. 198—207.

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Fisher, Christopher L., to Armco Steel Corp. Liner plate. 3,357,194, 12–12–67, Cl. 61—45.

Fisher, Colon L., to Sheller Mfg. Corp. Mechanically fastened door weather strip. 3,309,817, 3–21–67, Cl. 49—492.

Fisher, David C., and H. M. Forman, to General Electric Co. Body implantable electrical conductor. 3,333,045, 7–25–67, Cl. 174—20.

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Fisher, David H. W., to Oliver Electrical Mfg. Co. Clamping bar for a guy wire protector. 3,295,875, 1–3–67, Cl. 287—189.36

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Fisher, Donald J., to Xerox Corp. Combined fluidized bed and inverted cascade development apparatus. 3,357,399, 12–12–67, Cl. 118—637.

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Fisher, Don E., D. J. Lamb, and R. W. Timbie, to Monsanto Co. Traverse device. 3,334,829, 8–8–67, Cl. 242—43.

Fisher, Earl H. Rotary broom for material handling. 3,315,-381, 4–25–67, Cl. 37—24.

Fisher, Earl H. Combination rotary broom and turbine. 3,321,-851, 5–30–67, Cl. 37—25.

Fisher, Earl H. Convertible rail-highway trailer. 3,332,362, 7–25–67, Cl. 105—177.

Fisher, Earl H. Convertible rail-highway vehicle. 3,338,184, 8–29–67, Cl. 105—215.

Fisher, Edward L., to Bostitch Inc. Fastener driving apparatus. 3,352,471, 11–14–67, Cl. 227—7.

Fisher, Edward W., to Garlock Inc. Valve stem seal. 3,306,-621, 2–28–67, Cl. 277—80

Fisher, Emery. Mathematical teaching device. 3,295,229, 1–3–67, Cl. 35—31.

Fisher, Eugene F., Jr., to Textron Inc. Sealed bearing. 3,343,-894, 9–26–67, Cl. 308—187.2.

Fisher, Fenton M., to Friden, Inc. Reel. 3,333,784, 8–1–67, Cl. 242—68.3.

Fisher, Frank F. Expanding control for self-feeding boiler tube expanders. 3,353,386, 11–21–67, Cl. 72—32.

Fisher, Franklin G. Saline spray distillation within rotating solar heater. 3,300,393, 1–24–67, Cl. 203—10.

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Fisher, George A., to General Motors Corp. Bulldozer. 3,337,974, 8–29–67, Cl. 37—144.

Fisher, George E. Support for refractory b,ocks. 3,348,930, 10–24–67, Cl. 29—183.

Fisher, Gerald, and G. R. O'Leary, to Stanray Corp. Removable gondola car roof. 3,327,649, 6–27–67, Cl. 105—377.

Fisher, Gerald C., to Allis-Chalmers Mfg. Co. Steering mechanism. 3,307,420, 3–7–67, Cl. 74—493.

Fisher, Gerald E., to Sperry Rand Corp. Cargo loading computer. 3,329,808, 7–4–67, Cl. 235—193.

Fisher, Gerald L., and R. A. Rasmussen, to United States Steel Corp. End bender for wire drawing block. 3,299,683, 1–24–67, Cl. 72—155.

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Fisher, Harland S., and C. A. Dumas, to United States Envelope Co. Bottle collar applying mechanism. 3,340,591, 9–12–67, Cl. 29—208.

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Fisher, Harry E., E. C. Frye, Jr., M. K. Hicks, and C. R. Schraeder, to Texas Instruments Inc. Method of junction passivation and product. 3,300,841, 1–31–67, Cl. 29—155.5.

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Fisher, Jack G. Blade level control apparatus for a grading machine. 3,343,288, 9–26–67, Cl. 37—156.

Fisher, James G., to NVF Co. Doff truck boxes and the like and rub guards and bumpers therefor. 3,322,916, 5–30–67, Cl. 280—79.2.

Fisher, John, to The Warner & Swasey Co. Machine tool slide member with clutch and stop. 3,300,013, 1–24–67, Cl. 192—150.

Fisher, John, to The Warner & Swasey Co. Drive mechanism. 3,306,412, 2–28–67, Cl. 192—138.

Fisher, John G., and J. M. Straley, to Eastman Kodak Co. Methine dyes for acrylic fibers. 3,311,619, 3–28–67, Cl. 260—240.8.

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Fisher, John R., Jr., and W. E. Kemp, to Koppers Co., Inc. Self-curing silicate and acrylate coatings. 3,297,616, 1–10–67, Cl. 260—29.6.

Fisher, John T. Workholding blocks for magnetic chuck. 3,296,571, 1–3–67, Cl. 335—286.

Fisher, Joseph V.: *See*—
Vickery, Ronald C., and Fisher. 3,320,170.

Fisher, Julian V., to Illinois Tool Works Inc. Support assembly for shelves. 3,300,169, 1–24–67, Cl. 248—239.

Fisher, Julian V., to Illinois Tool Works Inc. Self-retained nut with imperforate head. 3,352,195, 11–14–67, Cl. 85—80.

Fisher, Lawrence E., to General Electric Co. Circuit protective system. 3,315,129, 4–18–67, Cl. 317—18.

Fisher, Leonard, to Vickers Ltd. Hospital bed with pressure chamber. 3,345,985, 10–10–67, Cl. 128—204.

Fisher, Leonard A., to The H. B. Smith Co., Inc. Windbox for furnace. 3,304,982, 2–21–67, Cl. 158—1.5.

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Orwin, Olaf J. B. 3,354,834.
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Fisher, Philip A., to Magnesium Elektron Ltd. Magnesium base alloys. 3,334,998, 8–8–67, Cl. 75—168.

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Fisher, Ralph W., H. W. Hossfeld, and M. D. Settles, to United States of America, Navy. Accelerometer having self-testing means. 3,295,355, 1–3–67, Cl. 73—1.

Fisher, Richard G.: *See*—
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Fisher, Robert C., to The Cincinnati Milling Machine Co. Workpiece cooling apparatus for grinding machines. 3,325,949, 6–20–67, Cl. 51—267.

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Fisher, Robert E.: *See*—
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Fisher, Roy, to C. L. Fisher. Hook bolt and nut assembly. 3,303,735, 2–14–67, Cl. 85—1.

Fisher, Roy, to C. L. Fisher. Nut holder for liner plates and the like. 3,319,691, 5–16–67, Cl. 151—41.74.

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Fitch, Frederick T., and A. B. Braun, to W. R. Grace & Co. Metal oxide-carbon organosol process and product. 3,301,-790, 1–31–67, Cl. 252—301.1.
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Flowers, Theodore R., to Eversharp, Inc. Dispenser with heating means. 3,358,885, 12-19-67, Cl. 222—146.
Flowers, Thomas H., to Her Majesty's Postmaster General. Line circuits for subscribers' telephones. 3,300,588, 1-24-67, Cl. 179—70.

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Floyd, Francis B., and A. E. Richardson. Remotely controlled racing car game. 3,339,307, 9-5-67, Cl. 46—244.
Floyd, George W.: *See*—
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Fluder, Chester H., and M. R. Heeney, to Vapor Corp. Relay with hinge structure. 3,354,414, 11-21-67, Cl. 335—124.
Flühmann, Heinrich, to Carl Langs Aktiengesellschaft. Device for holding the weft in looms. 3,329,176, 7-4-67, Cl. 139—194.
Fluhmann, Heinrich, to Maschinenfabrik Carl Zangs Aktiengesellschaft. Device for binding fabric edges. 3,360,011, 12-26-67, Cl. 139—54.
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Fluhr, Frederick R., G. L. Hall, and D. J. McLaughlin, to United States of America, Navy. Video gate. 3,304,550, 2-14-67, Cl. 343—11.
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Flurscheim, Cedric H., and A. Roxburgh, to Associated Electrical Industries Ltd. Switchgear for high voltage power circuits with removable vacuum switch units. 3,300,609, 1-24-67, Cl. 200—145.
Flurscheim, Cedric H., and A. Roxburgh, to Associated Electrical Industries Ltd. Series connected switches of different types. 3,303,309, 2-7-67, Cl. 200—144.
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Flynn, John H. Control for multiple gas burner installation. 3,300,194, 1–24–67, Cl. 263—6.
Flynn, John H. Method of making jointed polyolefin-coated paperboard products. 3,300,350, 1–24–67, Cl. 156—82.
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Foerster, George S., to The Dow Chemical Co. Magnesium-base alloy. 3,333,956, 8–1–67, Cl. 75—168.
Foerster, George S., and E. L. Hill, to The Dow Chemical Co. Alloy composition. 3,318,693, 5–9–67, Cl. 75—153.
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Foerster, James A., to Wabash Magnetics, Inc. Method of making an encapsulated coil bobbin. 3,348,302, 10–24–67, Cl. 29—605.
Foerster, James A., to Wabash Magnetics, Inc. Lead attachment means and method for electrical coils. 3,359,520, 12–19–67, Cl. 336—192.
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Fogg, Edward T., and W. H. Gumprecht, to E. I. du Pont de Nemours and Co. Corrosion inhibited poly(hexafluoropropylene oxide) oil compositions. 3,306,853, 2–28–67, Cl. 252—48.4.
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Forney, Harry B., L. E. Line, Jr., and C. Muller, to Texaco Experiment, Inc. Method of making thermoelectric initiators of semiconductor material. 3,311,685, 3–28–67, Cl. 264—111.
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Forrest, Norman. Method of making level table and rubber mold. 3,303,246, 2–7–67, Cl. 264—90.
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Forster, Harry, to Veb Lokomotivbau-Elektrotechnische Werke Hans Beimler. Apparatus for supporting a melting. 3,333,627, 8–1–67, Cl. 164—282.
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Forsyth, George H., J. H. Taylor, and A. C. Grant, to Vickers-Armstrongs (Engineers) Ltd. Grate coolers. 3,309,787, 3–21–67, Cl. 34—110.
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Fosker, George R., and J. H. C. Nayler, to Beecham Group Ltd. Phenyl- and thienyl-acetamido penicillins. 3,325,477, 6–13–67, Cl. 260—239.1.
Fosker, George R., J. H. C. Nayler, and J. A. Wilcox, to Beecham Group Ltd. Derivatives of aminoacylpenicillins and a process for their preparation. 3,325,479, 6–13–67, Cl. 260—239.1.
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Foster, Edson P. Felting needle. 3,353,243, 11–21–67, Cl. 28—4.
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Foster, George B., and K. A. Ostrander, to The Reliance Electric and Engineering Co. Transducer system having a variable characteristic discriminator. 3,353,098, 11–14–67, Cl. 325—45.
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Foster, Harold M., R. P. Napier, and C.-C. Chu, to Mobil Oil Corp. Preparation of partly saturated 4-ketobenzothiophene. 3,346,591, 10–10–67, Cl. 260—332.3.
Foster, Harold M., and R. P. Napier, to Mobil Oil Corp. Preparation of 4 - ox - 2,4,5,7,7*a* - hexahydrobenzothiophenes. 3,357,997, 12–12–67, Cl. 260—332.3.
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Foster, John, and P. Ball, to B. & S. Massey & Sons Ltd. Forging press. 3,324,703, 6–13–67, Cl. 72—421.
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Foster, John E., and M. G. Angelos, to United States of America, Army. Smoke marker arrangement. 3,311,054, 3–28–67, Cl. 102—6.
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Foster, John R., to Koratron Co., Inc. Apparatus for stabilizing fabrics against shrinkage. 3,358,392, 12–19–67, Cl. 34—218.
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Foster, Joseph W., to Union Tank Car Co. Sewage treatment system. 3,348,687, 10–24–67, Cl. 210—195.
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Foster, Karl, and P. A. Albert, to Westinghouse Electric Corp. Doubly oriented cube-on-face magnetic sheet containing chromium. 3,337,373, 8–22–67, Cl. 148—31.55.
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Dubbe, Richard F., Fram, and Plank. 3,336,596.

Fram, Paul, and E. W. Reed, Jr., to Minnesota Mining and Mfg. Co. Method and construction for recording and retrieving information with an electron beam. 3,303,341, 2–7–67, Cl. 250—65.

Fram, Paul, and G. H. Smith, to Minnesota Mining and Mfg. Co. Reaction products of polymerized polyene higher fatty acids and poly-1,2-alkylenamides. 3,318,930, 5–9–67, Cl. 260—404.5.

Frame, Alexander G., and H. F. Parker, to United Kingdom Atomic Energy Authority. Nuclear reactor instrumentation and servicing arrangement. 3,354,040, 11–21–67, Cl. 176—19.

Frame, George A., to The International Nickel Co., Inc. Activation of sulfide ores for froth flotation. 3,309,029, 3–14–67, Cl. 241—20.

Frame, Gordon F., to Eastman Kodak Co. Use of organic amides as anti-coagulants in emulsions prepared by the gelatin derivative coagulation wash procedure. 3,359,110, 12–19–67, Cl. 96—94.

Frame, Robert H., to Halliburton Co. Electronic keyer including noise and bias control means. 3,333,108, 7–25–67, Cl. 307—88.5.

Frame S.A.: *See*—
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France, Alfred H., Jr., to The Black and Decker Mfg. Co. Trigger lock arrangement for power tools. 3,356,814, 12–5–67, Cl. 200—157.

France Bed Co. Ltd.: *See*—
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France Haywood G.: *See*—
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Francesconi, Aldo: *See*—
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Franchi, Bruno, and W. Fath, to Siemens & Halske Aktiengesellschaft. Switching arrangement for the transmission and re-transmission of signals over telephone lines. 3,319,010, 5–9–67, Cl. 179—84.

Franci, David O., to Leesona Corp. Knotter. 3,298,726, 1–17–67, Cl. 289—2.

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Francis, Arthur B., and W. H. Hayward, to Varian Associates. Multifiliar sublimation filament for getter vacuum pumps. 3,311,776, 3–28–67, Cl. 313—178.

Francis Associates: *See*—
Coutu, Alfred J., and Egan. 3,303,267.

Francis Associates, Inc.: *See*—
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Francis, Daniel V., to Koppers Co., Inc. Recovery of thermoplastic foam scrap material. 3,344,212, 9–26–67, Cl. 264—37.

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Faber, William M., Sr., Francis, Holmes, and Boykin. 3,304,199.

Francis, Gerald A.: *See*—
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Francis, Gerald A., and K. Chung, to Skinner Precision Industries, Inc. Induction motor. 3,333,124, 7–25–67, Cl. 310—13.

Francis, Gerald C. Prestressed concrete. 3,319,386, 5–16–67, Cl. 52—224.

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Sustrich, William H., and Francis. 3,352,459.

Francis, Gus. Method and apparatus for draining liquid from containers. 3,323,544, 6–6–67, Cl. 137—587.

Francis, Howard R. Injection needle guide. 3,356 089, 12–5–67, Cl. 128—221.

Francis, J. S.: *See*—
Clements, Aaron B., and Homes. 3,360,230.

Francis, John E., to Geigy Chemical Corp. S-triazolo-(3,4-a) isoquinolines and process. 3,354,164, 11–21–67, Cl. 260—288.

Francis, John P. Automobile windshield rain visor. 3,297,-356, 1–10–67, Cl. 296—95.

Francis, John P. Frame supporting means for automobile windshield awning. 3,304,996, 2–21–67, Cl. 160—369.

Francis, John P. Windshield weather visor. 3,316,011, 4–25–67, Cl. 296—95.

Francis, John P. Automobile windshield weather visor. 3,348,-875, 10–24–67, Cl. 296—95.

Francis, John P. Automobile rain shield and supporting means therefor. 3,352,599, 11–14–67, Cl. 296—95.

Francis, Joseph, and W. D. Pennell, to Wood Electric Corp. Multipole circuit breaker with individual breakers coupled by slides therebetween. 3,353,127, 11–14–67, Cl. 335—9.

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Francis, Samuel A., to Buzzards Corp. Aquatic probe. 3,349,-613, 10–31–67, Cl. 73—170.

Francis, Thomas, and M. H. Jones, to Ontario Research Foundation. Chemical heating device in sheet form. 3,311,459, 3–28–67, Cl. 44—3.

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Franck, George E., to Imperial-Eastman Corp. Strainer. 3,298,528, 1–17–67, Cl. 210—444.

Franck, George E., to Imperial Eastman Corp. Thermal shock resistant fitting. 3,336,058, 8–15–67, Cl. 285—341.

Franck, George E., to Imperial Eastman Corp. Tube clamp for flaring tool. 3,345,855, 10–10–67, Cl. 72—317.

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Franck, Kurt, and H. A. Odle, to Holophane Co., Inc. Luminaire. 3,334,219, 8–1–67, Cl. 240—25.

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Franck, Kurt, and R. G. McPhail, to Holophane Co., Inc. Street lighting luminaires. 3,350,556, 10–31–67, Cl. 240—25.

Francke, Harry C., and E. G. Laggis, to United States of America, Atomic Energy Commission. Weight responsive dispenser. 3,298,452, 1–17–67, Cl. 177—120.

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Frangos, John, to Revlon, Inc. Pressure fluid metering and dispensing container valves. 3,352,464, 11–14–67, Cl. 222—402.2.

Frangos, John, to Revlon Inc. Perfume candles. 3,355,913, 12–5–67, Cl. 67—87.

Frangos, John W. Storage system. 3,339,765, 9–5–67, Cl. 214—390.

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Frank, Edgar. Electric ignition device for oils and gases. 3,336,506. 8–15–67. Cl. 317—96.

Frank, Edgar H., E. L. Libby, and T. N. Watkins, to International Business Machines Corp. Arm positioned type head. 3,307,677. 3–7 67. Cl. 197—52.

Frank, Egon, to Loewe Opta G.m.b.H. Stereophonic broadcast receiver circuit arrangement for systems operating with pilot signals. 3,309,465, 3–14–67, Cl. 179—15.

Frank, Fred M. Hydrogenated castor oil-organic diisocyanate rheological agent. 3,360,389, 12–26–67, Cl. 106—245.

Frank, Gerald F., to General Electric Co. Magnetic reed switches having minimum contact bounce. 3,334,320, 8–1–67, Cl. 335—154.

Frank, Gunter, R. Kubens, R. Schmitz-Josten, R. Wegler, and H.-A. Dortmann, to Farbenfabriken Bayer Aktiengesellschaft. Polyepoxides. 3,316,277, 4–25–67, Cl. 260—348.

Frank, Gunter, R. Wegler, R. Schmitz-Josten, and R. Kubems, to Farbenfabriken Bayer Aktiengesellschaft. Process for preparing glycidyl ethers of polyhydric phenols. 3,336,342, 8–15–67, Cl. 260—348.6.

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Frank, Hugo, and R. J. Logozzo. Automatic pet feeder. 3,340,851, 9–12–67, Cl. 119—51.13.

Frank, James S. Detergent breaker composition. 3,298,963, 1–17–67, Cl. 252—358.

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Frank, Robert I., and J. G. Simmons, to Burroughs Corp. Insulating gate thin film transistor having a thin insulating layer overlapping a thick insulating layer. 3,320,499, 5–16–67, Cl. 317—235.

Frank, Robert L., J. I. Meranda, and A. H. Phillips, to Sperry Rand Corp. Loran C cycle selection system. 3,325,-810, 6–13–67, Cl. 343—103.

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Franke, Ralph A., to E. I. du Pont de Nemours and Co. Process and apparatus for conveying continuous filaments. 3,325,906, 6–20–67, Cl. 34—10.

Franke, Siegfried, S. Grosse, and B.-D. Torge, to VEB Transformatoren- und Röntgenwerk Dresden. Equipment for controlling and monitoring the electron beam of a horizontal-type particle accelerator. 3,358,239, 12–12–67, Cl. 328—233.

Franke, Werner, and F. Bauriedel, to E. I. du Pont de Nemours and Co. Silver halide emulsions and sensitizers therefor. 3,329,503, 7–4–67, Cl. 96—106.

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Frankel, Donald P., and M. E. Christenson, to La Mere Industries, Inc. Timer assembly for dry latrine or the like. 3,304,559, 2–21–67, Cl. 4—131.

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Frankel, Helmut J., to Shell Oil Co. Process for manufacturing glycidyl ethers of polyhydric phenols. 3,313,775, 4–11–67, Cl. 260—47.

Frankel, Merwin, to Geigy Chemical Corp. Measuring device. 3,298,556, 1–17–67, Cl. 220—23.83.

Frankel, Stanley P., to General Electric Co. Superconductor circuit with protuberances. 3,296,459, 1–3–67, Cl. 307—88.5.

Franken, Adrianus J. J., and J. Langerhorst, to North American Philips Co., Inc. Specimen support for an electron microscope with means to rotate a circular specimen holder. 3,342,994, 9–19–67, Cl. 49.5.

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Frankenberg, Robert C., F. L. Stahr, and J. C. Tobin. Product display package. 3,335,848, 8–15–67, Cl. 206—45.34.

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Franklin, Burton P., and P. W. Bless, to Dynamic Products Co. Quick donning frame for respirator masks and the like. 3,308,816, 3–14–67, Cl. 128—146.2.

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Franklin, John S., and S. L. Baldwin, to General Electric Co. Sheet lighting luminaire. 3,353,015, 11–14–67, Cl. 240—25.

Franklin, John W., to The American Tobacco Co. Apparatus for measuring the quality of a cigarette manufacturing process. 3,336,478. 8–15–67, Cl. 250—83.3.

Franklin, Leo. Method of preparing a fowl product. 3,300,-317, 1–24–67, Cl. 99—107.

Franklin, Lester K. Gramophone cabinet for radio receiving sets. 3,329,122, 7–4–67, Cl. 116—124.1.

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Fransen, Theodorus, to N.V. Machinenfabriek L. Te Strake. Creel. 3,338,533, 8-29-67, Cl. 242—131.1.
Franssen, Edward W. Hose stand. 3,341,159, 9-12-67, Cl. 248—83.
Fransson, Karl-Erik, and A. Larsson, to C. H. Larsson. Furniture fitting. 3,316,953, 5-2-67, Cl. 151—41.73.
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Frantz, Dolph G. Golf cart pulling device. 3,311,385, 3-28-67, Cl. 280—1.5.
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Frantz, Virgil L., to Graham-White Sales Corp. Electric control valve. 3,329,392, 7-4-67, Cl. 251—30.
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Frantz, Woodrow W., to Conodec Inc. Method for forming a prefabricated truss deck. 3,305,612, 2-21-67, Cl. 264—69.
Frantz, Woodrow W., to Conodec Inc. Concrete panel manipulating apparatus. 3,318,467, 5-9-67, Cl. 214—1.
Frantz, Woodrow W., to Conodec, Inc. Apparatus for forming a prefabricated truss deck. 3,349,457, 10-31-67, Cl. 25—2.
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Frantzen, Karl H., to Northern Gas Products Co. Crop growth improvement by means of propane actuated thermopile. 3,340,648, 9-12-67, Cl. 47—58.
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Franz, John E., to Monsanto Co. 2-oxabicyclo(3.3.0)-3,7-octadiene. 3,321,492, 5-23-67, Cl. 260—346.2.
Franz, Joseph P., to General Electric Co. Watercooled screen grid resistor. 3,300,746, 1-24-67, Cl. 338—55.
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Franz, Raymond A., and R. O. Downs, to Monsanto Chemical Co. Method of alkylating cyclic non-aromatic hydrocarbons. 3,338,908, 8-29-67, Cl. 260—293.
Franz, Rudolph J., to The Dole Valve Co. Bi-valve. 3,340,773, 9-12-67, Cl. 91—465.
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Franzen, Gustav, to Palitex Project Co., G.m.b.H. Double twist spindle. 3,310,934, 3-28-67, Cl. 57—58.84.
Franzen, Gustav, to Palitex Project-Co. G.m.b.H. Method of and apparatus for controlling bobbin change in double-twist machines. 3,316,698, 5-2-67, Cl. 57—53.
Franzen, Gustav, to Palitex Project-Co. G.m.b.H. Double twist frame. 3,319,410, 5-16-67, Cl. 57—34.
Franzen, Gustav, to Palitex Project-Co. G.m.b.H. Multiple twist spindle. 3,338,043, 8-29-67, Cl. 57—58.76.
Franzen, Gustav, to Palitex Project-Co. G.m.b.H. Yarn brake. 3,352,510, 11-14-67, Cl. 242—149.
Franzen, Gustav, K. Brisken, and U. Lossa, to Palitex Project-Co. G.m.b.H. Protective pot for multiple twist spindles. 3,343,359, 9-26-67, Cl. 57—58.76.
Franzene, Robert D., to Deltrol Corp. Snap action electrical switch. 3,320,379, 5-16-67, Cl. 200—76.
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Fraser, David B., and D. W. Rudd; said Fraser, assor. to Bell Telephone Laboratories, Inc. and said Rudd, assor. to Western Electric Co., Inc. Method of testing the internal friction of synthetic quartz crystal by the use of two different frequencies of infrared. 3,351,757, 11-7-67, Cl. 250—83.3.
Fraser, Edmund E. Coherent light card marking system. 3,325,819, 6-13-67, Cl. 346—76.
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Frazier, David, to Leesona Corp. Non-porous diffusion membrane fuel cell. 3,337,369, 8–22–67, Cl. 136—86.
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Fredley, James C., and G. E. Sleighter, to Pittsburgh Plate Glass Co. Method of annealing sheets of glass on a decreasing temperature gas support. 3,332,761, 7–25–67, Cl. 65—25.
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Fritz, William E., to Union Tank Car Co. Railway hopper car closure latching and sealing means. 3,296,980, 1–10–67, Cl. 105—248.
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Fritz, William E., to Union Tank Car Co. Railway hopper car closure actuating device. 3,316,858, 5–2–67, Cl. 105—241.
Fritz, William E., to Union Tank Car Co. System for discharging finely divided material from a container. 3,322,469, 5–30–67, Cl. 302—52.
Fritz, William E., to Fabro Engineering Co., Inc. Pneumatic hopper outlet construction for railway and the like. 3,328,091, 6–27–67, Cl. 302—52.
Fritz, William L., to D. H. Baldwin Co. Switching assembly for an electrical musical instrument and percussive system therefor. 3,313,878, 4–11–67, Cl. 84—1.01.
Fritzberg, Edward L., to The Pillsbury Co. Apparatus and method for continuous drying. 3,310,881, 3–28–67, Cl. 34—8.
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Friz, Hans, M. Reichert, and U. Wagner, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Separating acetylene from gas mixtures. 3,325,972, 6–20–67, Cl. 55—65.
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Froehlich, Harry W., to Charmfit of Hollywood, Inc. Undergarment. 3,324,857, 6–13–67, Cl. 128—535.
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Froehlich, Henry C. Simulated bamboo picture frame moulding machine. 3,323,564, 6–6–67, Cl. 144—3.
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Froehlig, Rudolph A., to Modern Album and Finishing, Inc. Laminated game board. 3,346,259, 10–10–67, Cl. 273—136.
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Frohlich, Heinz, to Siemens-Schuckertwerke Aktiengesellschaft. High-power ion and electron sources in cascade arrangement. 3,315,125, 4–18–67, Cl. 315—111.
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Frost, Norbet, to Adam-Steven Leather Goods Inc. Clutch purse and the method of making the same. 3,330,322, 7–11–67, Cl. 150—29.
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Frost, Paul, and F. Hennig, to Agfa Aktiengesellschaft. Flash assembly for cameras. Re. 26,300, 11–21–67, Cl. 95—11.
Frost, Paul D., to The Battelle Development Corp. Process for composite metal shapes. 3,331,120, 7–18–67, Cl. 29—471.7.
Frost, Robert M., and C. R. Jones. Snell knot tying tool. 3,326,586, 6–20–67, Cl. 289—17.
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Frowein, Egbertus A., to Brown, Boveri & Cie Aktiengesellschaft. Insulator for pressure gas-insulated fully enclosed switchgear apparatus. 3,325,583, 6–13–67, Cl. 174—20.
Frowein, Egbertus A., to Brown, Boveri & Cie, Aktiengesellschaft. Compressed gas circuit breaker with circulating system for compressed gas. 3,359,390, 12–19–67, Cl. 200—148.
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Frump, John A., to Commercial Solvents Corp. Process for producing monosodium glutamate. 3,360,555, 12–26–67, Cl. 260—534.
Frungel, Frank, and G. Roder, to Impulsphysik Dr.-Ing. Frank Frungel G.m.b.H. Spark discharge arrangement. 3,300,682, 1–24–67, Cl. 315—171.
Frush, John P. Dental device for controlling the relative position of dentures in the mouth. 3,314,152, 4–18–67, Cl. 32—19.
Fruth, George H., to International Harvester Co. Hub cap with fill plug. 3,331,638, 7–18–67, Cl. 301—108.
Frutiger, Peter. Detection system with self compensation for changes in incident light. 3,337,736, 8–22–67, Cl. 250—205.
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Frye, Bruce J. Naturally resealable container structure. 3,325,083, 6–13–67, Cl. 229—62.
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Frye, George J., to Tektronix, Inc. Variable width pulse generator employing independently operated switches for controllably discharging transmission line. 3,297,885, 1–10–67, Cl. 307—88.5.
Frye, George J., to Tektronix Inc. Wave shaping and voltage limiting circuit employing plural snap-off diodes. 3,309,532, 3–14–67, Cl. 307—88.5.
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Fukushima, Osamu, and Y. Sakurada, to Kurashiki Rayon Co. Ltd. Shaped articles from blends of a polyvinyl acetal and a polymer of an alpha-methyl styrene. 3,322,855, 5–30–67, Cl. 260—874.

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Fukushima, Osamu, S. Onishi, R. Otsubo, and H. Hayanami, to Kurashiki Rayon Co., Ltd. Mixture of polyamide, polystyrene and polyamide styrene graft copolymer. 3,334,153, 8–1–67, Cl. 260—857.

Fukushima, Osamu, and H. Hayanami, to Kurashiki Rayon Co. Ltd. Process for the producing of synthetic leathers and similar shaped articles. 3,335,206, 8–8–67, Cl. 264—6.

Fukushima, Osamu, and K. Imai, to Kurashiki Rayon Co. Ltd. Method of manufacturing synthetic fibers containing crystalline isotactic polystyrene having excellent physical properties. 3,342,920, 9–19–67, Cl. 264—184.

Fukushima, Osamu, K. Noda, and T. Kishida, to Kurashiki Rayon Co., Ltd. Method of producing gas-permeable elastic polyurethane films. 3,348,963, 10–24–67, Cl. 117—63.

Fukushima, Yasuichi, to The Hatsuta Mfg. Co., Ltd. Method of forming a foam fire-extinguisher including deep drawing the tank body. 3,327,381, 6–27–67, Cl. 29—469.

Fukuske Kabushiki Kaisha: *See*—
Yamagiwa, Juji. 3,296,988.

Fukuzaki, Fukuhichi, to Kabushiki Kaisha Obara Koguku Garasu Seizosho. Process and apparatus for manufacturing elongated glass products. 3,303,011, 2–7–67, Cl. 65—88.

Fukuzawa, Heihachiro, T. Namba, Y. Niwa, and T. Uchino, to Ashai Glass Co., Ltd. Process for the production of chlorine. 3,323,871, 6–6–67, Cl. 23—219.

Fulchino, Salvatore A. Automatic logging system. 3,321,767, 5–23–67, Cl. 346—34.

Fuld, Jerome R.: *See*—
Yazejian, Zaven, Fuld, and Benkler. 3,300,017.

Fulenwider, Julian L.: *See*—
Wolfe, Larry W., and Fulenwider. 3,326,114.

Fulgenzi, Crescenzo F.: *See*—
Hartwig, Jurgen, Mandorf, Fulgenzi, Norris, Roisen, and Lerch. 3,319,702.

Fulghum Industries, Inc.: *See*—
Ledergerber, Karl. 3,335,771.

Fulk, James B., to Paper Converting Machine Co., Inc. Multiple transfer form and method of making the same. 3,305,247, 2–21–67, Cl. 282—11.5.

Fulk, Walter F.: *See*—
Smock, George E., and Fulk. 3,295,942.

Full Mold Process, Inc.: *See*—
Krzyzanowski, Erich M. 3,295,175.
Krzyzanowski, Erich M., and Schweikert. 3,339,620.
Wittmoser, Adalbert. 3,302,256.
Wittmoser, Adalbert, Schade, and Krzyzanowski. 3,314,116.

Fullam, Harold T.: *See*—
Lam, Hung K. H., and Fullam. 3,304,156.

Fullam, Harold T., and H. V. Seklemian, to Stauffer Chemical Co. Process for the production of nitrogen fluorides. 3,304,248, 2–14–67, Cl. 204—178.

Fullenkamp, Eugene H.: *See*—
Hillenbrand, William A., and Fullenkamp. 3,358,319.

Fuller, Acil R.: *See*—
Myers, Elman B. 3,354,343.

Fuller, Charles H. Pipe carrier attachment. 3,329,324, 7–4–67, Cl. 224—42.45.

Fuller, Clyde S.: *See*—
Sandlin, John R., and Fuller. 3,354,438.

Fuller Co.: *See*—
Krauss, Werner. 3,348,589.
Lenhart, Herbert S. 3,357,748.
Maberry, John H. 3,358,385.
Richter, Philip. 3,310,913.
Smith, Elbridge M. 3,325,979.

Fuller, Donald B., and J. Robinson, to Kollar Kap Corp. Soil pipe cover. 3,348,725, 10–24–67, Cl. 220—42.

Fuller Electric Ltd.: *See*—
Lighton, John W., and Moate. 3,298,623.
Moate, Leslie F. 3,341,145.

Fuller, Forney, Jr. Rotatable filtering unit. 3,326,381, 6–20–67, Cl. 210—330.

Fuller, George: *See*—
Bennett, Royston H., and Fuller. 3,300,537.

Fuller, George C.: *See*—
Suh, Nam P., and Fuller. 3,299,812.

Fuller, George C., to Fiberply (Proprietary) Ltd. Process for producing corrugated plywood and apparatus therefor. 3,338,767, 8–29–67, Cl. 156—206.

Fuller, George H., and W. O. Tundermann, to Colgate-Palmolive Co. Scouring pad. 3,324,500, 6–13–67, Cl. 15—539.

Fuller, Gordon W.: *See*—
Fuller, John C., G. W., R. A. and W. I. 3,352,013.

Fuller, Harrison W., and R. J. Spain, to Laboratory for Electronics, Inc. Magnetic film display device. 3,347,614, 10–17–67, Cl. 350—162.

Fuller, Harry C., to United States of America, Interior. Process for decomposing manganese sulfate to form manganous oxide and sulfur dioxide. 3,301,634, 1–31–67, Cl. 23—145.

Fuller, Harry K. Fishing pole holder. 3,319,911, 5–16–67, Cl. 248—42.

Fuller, Jack W. Electric soldering iron having a thermally insulated handle. 3,336,462, 8–15–67, Cl. 219—227.

Fuller, John C., G. W., R. A. and W. I. Apparatus for venting pneumatic tires. 3,352,013, 11–14–67, Cl. 30—368.

Fuller, Kathleen B.: *See*—
Greene, Janice L., and Fuller. 3,352,886.

Fuller, Lawrence E., to Byron Jackson, Inc. Power operated applicator tool for pipe protectors. 3,353,252, 11–21–67, Cl. 29—236.

Fuller, Luther T.: *See*—
Ellison, William M., Jr., Fuller, and Poston. 3,347,035.

Fuller, Mack F.: *See*—
Fisher, Charles F., and Fuller. 3,322,696.

Fuller, Marvin A.: *See*—
Hagenauer, Richard G., Fuller, Reiter, and Anderson. 3,307,618.

Fuller, Maurice D., to Korry Mfg. Co. Relampable cap assembly with cam-seated lamp holder members. 3,302,195, 1–31–67, Cl. 340—381.

Fuller Merriam Co., The: *See*—
Gallagher, Thomas P. 3,341,355.

Fuller, Ralph A.: *See*—
Fuller, John C., G. W., R. A. and W. I. 3,352,013.

Fuller, Ray A. Multi can package. 3,300,041, 1–24–67, Cl. 206—65.

Fuller, Revilo. Collapsible self-supporting core. 3,338,546, 8–29–67, Cl. 249—178.

Fuller, Richard B. Octahedral building truss. 3,354,591, 11–28–67, Cl. 52—81.

Fuller, Robert A., F. E. Dorsey, and C. W. Kulig, to Emhart Corp. Glassware annealing method. 3,318,673, 5–9–67, Cl. 65—118.

Fuller, Walter, and H. Stohler, to Hoffmann-La Roche Inc. Parenteral compositions containing antimony (III) complex of 2,3-dimercapto-succinic acid. 3,321,367, 5–23–67, Cl. 167—55.

Fuller, William I.: *See*—
Fuller, John C., G. W., R. A. and W. I. 3,352,013.

Fullman, Carl H., to United States of America, Air Force. Laser initiated rocket type igniter. 3,300,968, 1–31–67, Cl. 60—39.82.

Fullwood, R. J., & Bland Ltd.: *See*—
Skett, Herbert E. 3,317,028.

Fulmer, George M., and K. Y. Messick, to Gichner Mobile Systems, Inc. Pallet lifting and transporting device. 3,339,766, 9–5–67, Cl. 214—394.

Fulmer, John R.: *See*—
Beach, Herbert S., and Fulmer. 3,312,271.

Fulmer, Richard W., and E. R. Rogier, to General Mills, Inc. Polyamide compositions based on diamines derived from diphenyl oxide. 3,357,935, 12–12–67, Cl. 260—18.

Fulmor, Theodore G.: *See*—
Arentzen, Charles, Fulmor, and Holderreed. 3,351,462.

Fulp, William M., to Western Electric Co., Inc. Strip transmission line interboard connection. 3,303,439, 2–7–67, Cl. 333—84.

Fulrath, Richard M.: *See*—
Rossi, Ronald C., and Fulrath. 3,343,915.

Fulthorpe, Arthur J., to Burroughs Wellcome & Co. (U.S.A.) Inc. Method of bonding protein antigen to mammalian red blood cells. 3,322,634, 5–30–67, Cl. 167—84.5.

Fulton, Clifford M., to Kleineider-Fulton Co. Ski carrier and locking device. 3,307,759, 3–7–67, Cl. 224—45.

Fulton, Clifford M., to Kleineider-Fulton Co. Ski carrier for vehicles. 3,325,069, 6–13–67, Cl. 224—42.1.

Fulton, Clyde E.: *See*—
Bentz, Erwin J. H., Costa, and Fulton. 3,359,385.

Fulton, Donald L., R. S. Reel, J. L. Reeve, J. A. Stahmann, and J. G. Vehige, to North American Aviation, Inc. Extensible rocket nozzle comprised of a coated flexible mesh subsequently deployed and heated to become impermeable. 3,346,186, 10–10–67, Cl. 239—11.

Fulton, Garland L.: *See*—
Skidmore, Richard H., and Fulton. 3,323,222.

Fulton, Howard A., C. D. Obrecht, and V. D. Flinner, to Mansfield Sanitary, Inc. Toilet with deformable water seal trap. 3,302,216, 2–7–67, Cl. 4—69.

Fulton, Joseph W., Jr. Environmental control apparatus. 3,319,946, 5–16–67, Cl. 261—129.

Fulton, Robert A., and E. O. Haenni, to United States of America, Agriculture. Ethylene oxide sterilizing agent. 3,359,159, 12–19–67, Cl. 167—39.

Fulton, Robert R., to De Kalb Toys, Inc. Combination of pole anchor with a gym set or the like. 3,295,274, 1–3–67, Cl. 52—148.

Fulton, Robert W. Multi-purpose ignition test unit. 3,300,-713, 1–24–67, Cl. 324—16.
Fulton, Ronald T.: *See*—
Johnson, Otto E., and Fulton. 3,305,025.
Fulton, Ronald T., to International Harvester Co. Leveling apparatus for two-way plow. 3,305,026, 2–21–67, Cl. 172—222.
Fulton, Samuel K. Marine facilities. 3,306,053, 2–28–67, Cl. 61—48.
Fulton, Samuel R., to The Akron Standard Mold Co. Tire building drum. 3,346,434, 10–10–67, Cl. 156—415.
Fultz, Russel E.: *See*—
Osborn, Carroll H., and Fultz. 3,313,319
Fulukawa, Hideyuki: *See*—
Matsuda, Iwao, Shiga, Fulukawa, and Kanemitsu. 3,340,-069.
Fumea, Harry J., Jr., to United States of America, Air Force. Pulse to pulse power control system. 3,298,025, 1–10–67, Cl. 343—17.1.
Fumea, Judith G. Maternity belt. 3,315,670, 4–25–67, Cl. 128—95.
Fumoto, Syozo: *See*—
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Funahashi, Kohei, and T. Chujo, to Tokyo Shibaura Electric Co., Ltd. Image pickup tube with a mesh electrode supported by a ring. 3,325,672, 6–13–67, Cl. 315—10.
Funahashi, Takaji. Process for producing composite porous material. 3,342,911, 9–19–67, Cl. 264—46.
Funakubo, Shinnosuke. Band saw and the sawing device thereof. 3,304,968, 2–21–67, Cl. 143—17.
Funakubo, Shinnosuke. Band sawing machine. 3,354,767, 11–28–67, Cl. 83—201.14.
Funatsu, Makoto, Y. Torimae, S. Arai, and H. Kita, to Kao Soap Co., Ltd. Process for the purification and concentration of cobalt and nickel. 3,336,133, 8–15–67, Cl. 75—119.
Funck, Dennis L.: *See*—
Brown, Northrop, Funck, and Schweitzer. 3,340,234.
Funck, Dennis L., and V. C. Wolff, Jr., to E. I. du Pont de Nemours and Co. Preparing aqueous polymer dispersions in presence of polar liquids. 3,296,172, 1–3–67, Cl. 260—29.6.
Functional Container Corp. (N.A.): *See*—
Ogle, Robert W. 3,303,846.
Fundamental Research Co.: *See*—
Padgett, Weldon M., II. 3,309,402.
Santora, Frank. 3,298,689.
Funderburk, William J.: *See*—
Felton, Joseph B., Jr., Turner, Duncan, Funderburk, and Bart. 3,311,033.
Felton, Joseph B., Jr., Turner, Duncan, Funderburk, and Bart. 3,322,318.
Funfer, Ewald, and B. Kronast, to Institut fur Plasmaphysik Gesellschaft mit beschrankter Haftung. Short duration neutron pulse generating system. 3,296,442, 1–3–67, Cl. 250—84.5.
Funfstuck, Horst, to Statham Instruments, Inc. Apparatus for producing a direct-current voltage proportional to but different from another direct-current voltage. 3,334,312, 8–1–67, Cl. 331—113.
Funiciello, Orazio. Four stroke high R.P.M. internal combustion engine for facing purposes. 3,334,618, 8–8–67, Cl. 123—75.
Funk, Donald J., to Reynolds Metals Co. Method of producing wrought structure. 3,340,716, 9–12–67, Cl. 72—364.
Funk, Edw. J., & Sons Inc.: *See*—
Funk, William E., and Lehman. 3,317,088.
Funk, Elmer, ⅓ to E. A. and H. A. Funk. Irrigation pipe propelling apparatus. 3,318,531, 5–9–67, Cl. 239—212.
Funk, Elmer A.: *See*—
Funk, Elmer. 3,318,531.
Funk, Harold A.: *See*—
Funk, Elmer. 3,318,531.
Funk, Howard L.: *See*—
Hopner, Emil, Funk, and Critchlow. 3,308,431.
Funk, Robert A., and J. Jonakin, to Combustion Engineering, Inc. Chemical recovery unit. 3,304,919, 2–21–67, Cl. 122—7.
Funk, Welker W., to Deere & Co. Sprayer having adjustable long and short vanes in longitudinal alignment. 3,315,894, 4–25–67, Cl. 239—78.
Funk, William E., and I. H. Lehman, to Edw. J. Funk & Sons Inc. Fertilizer applicator. 3,317,088, 5–2–67, Cl. 222—178.
Funk, William E., and I. H. Lehman. Slurry slinging apparatus for treating soil. 3,351,287, 11–7–67, Cl. 239—161.
Funk, William H.: *See*—
McGlynn, James J., Ma, and Funk. 3,301,661.
Funke, Charles B., J. E. Kleboe, and M. E. Runyan, to R. R. Donnelley & Sons Co. Linecasting control system. 3,300,-035, 1–24–67, Cl. 199—11.
Funke, Ludwig F., to Whirlpool Corp. Compressor lubrication. 3,317,123, 5–2–67, Cl. 230—207.
Funke, Richard A., to Allen-Bradley Co. Reed switch having large current carrying capacity. 3,317,869, 5–2–67, Cl. 335—154.
Funke, Richard A., to Allen-Bradley Co. Reed switch having an atmosphere to prevent sticking of the pole pieces therein. 3,356,974, 12–5–67, Cl. 335—154.
Funkhouser, Garland B., to Reynolds Metals Co. Package construction and method of making the same or the like. 3,347,365, 10–17–67, Cl. 206—65.
Fuqua, Lloyd T. to General Motors Corp. Mirror support. 3,313,077, 4–11–67, Cl. 52—615.
Fuqua, Lloyd T., to General Motors Corp. Direction signal actuating mechanism. 3,321,994, 5–30–67, Cl. 74—519.
Fuqua, Lloyd T., to General Motors Corp. Direction signal switch including unitary flexible contacts. 3,322,911, 5–30–67, Cl. 200—61.34.
Furedy, Frank, deceased; by C. Wideen-Furedy, heir. Pipe. 3,308,834, 3–14–67, Cl. 131—196.
Furesz, Istvan: *See*—
Bickel, Hanz, Furesz, Gallo, Kradolfer, Kump, and Sensi. 3,338,888.
Furey, Michael J., and H. J. Schugar, to Esso Research and Engineering Co. Reaction products of polyamines and polybasic acid esters as antiscuff additives. 3,321,404, 5–23–67, Cl. 252—51.5.
Furgerson, William T., to United States of America Atomic Energy. Nuclear reactor core assembly. 3,305,449, 2–21–67, Cl. 176—50.
Furkert, Herbert, and H. Muhlenbein, to Chemiebau Dr. A. Zieren G.m.b.H. Process for recovering sulfur dioxide and ammonia from aqueous scrubbing solution obtained from ammonia scrubbing of gases containing sulfur oxides. 3,321,275, 5–23–67, Cl. 23—178.
Furkert, Herbert, and H. Rohl, to Chemische Werke Huls Aktiengesellschaft and Chemiebau Dr. A. Zieren G.m.b.H. Process for production of sulfur dioxide containing gases from waste products containing ammonium salts of sulfur acids. 3,359.069, 12–19–67, Cl. 23—178.
Furlong, Jack A.: *See*—
Zebarth, Ralph S., and Furlong. 3,335,788.
Furlong, John J. Self-feeding paint roller. 3,320,630, 5–23–67, Cl. 15—548.
Furlong, Louis E.: *See*—
Perkins, Michael B., and Furlong. 3,355,296.
Furlow, Dale B., to Black, Sivalls & Bryson, Inc. Float switch. 3,322,917, 5–30–67, Cl. 200—84.
Furman, Irwin L., and H. L. Stahle, to General Precision, Inc. Flag storage system. 3,327,294, 6–20–67, Cl. 340—172.5.
Furnas Electric Co.: *See*—
McGary, Robert L. 3,319,036.
McGary, Robert L. 3,331,039.
Mouis, Louis. 3,315,190.
Furnas, Vincent E., Jr.: *See*—
Woosley, William P., Connor, and Furnas. 3,340,566.
Furness, Alan G.: *See*—
Ayers, Peter, and Furness. 3,333,949.
Furness, Raymond F. Electrically heated heat storage apparatus. 3,356,828, 12–5–67, Cl. 219—365.
Furness, Stanley W., and L. E. Hard. Recording devices. 3,346,-180, 10–10–67, Cl. 235—74.
Furnier- und Sperrholzwerk J. F. Werz, Jr., K.G., Werzalit-Pressholzwerk: *See*—
Haas, Herbert, Munk, and Weinberg. 3,354,248.
Munk, Edmund. 3,299,595.
Furrer, Ferdinand: *See*—
Morawe, Hans-Georg, Rueckert, and Furrer. 3,305,306.
Furrer, Jack F.: *See*—
Durand, Philip E., and Furrer. 3,323,684.
Furrer, Jack F., G. E. Murray, and C. N. Gardner, to United States of America, Army. Foam plastic shelter. 3,357,142, 12–12–67, Cl. 52—2.
Furrer, Josef. Roof or wall covering. 3,303,625, 2–14–67, Cl. 52—520.
Furrow, Clarence L., to Phillips Petroleum Co. Photochemical production of organic sulfonates. 3,336,210, 8–15–67, Cl. 204—162.
Furrow, Clarence L., to Phillips Petroleum Co. Production of alkyl sulfonate. 3,356,717, 12–5–67, Cl. 260—513.
Furrow, Clarence L., C. E. Stoops, and J. E. Mahan, to Phillips Petroleum Co. Photochemical process for producing alkyl sulfonates. 3,337,437, 8–22–67, Cl. 204—162.
Furrow, Clarence L., and C. E. Stoops, to Phillips Petroleum Co. Photochemical production of hydrocarbylsulfonates. 3,342,714, 9–19–67, Cl. 204—162.
Furry, Robert D.: *See*—
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Furst, Andor: *See*—
Becher, Elisabeth, Els, Furst, Gross, and Reusser. 3,342,-694.
Boller, Arthur, Furst, and Herzog. 3,309,386.
Furst, Andor, and E. G. Herzog, to Hoffmann-La Roche, Inc. 19-lower alkyl androstanes and pregnanes. 3,309,387, 3–14–67, Cl. 260—397.5.
Furst, Stefan, to W. Reiners. Yarn winding machine. 3,301,-496, 1–31–67, Cl. 242—37.
Furst, Stefan, to W. Reiners. Automatic yarn-package winding machine with take-up spool exchanging device. 3,307,-794, 3–7–67, Cl. 242—35.5.
Furst, Stefan, to W. Reiners. Method and device for joining two oppositely directed yarn ends by a weaver's knot. 3,309,124, 3–14–67, Cl. 289—1.5.
Furst, Stefan, to W. Reiners. Yarn-package winding machine. 3,311,311, 3–28–67, Cl. 242—18.
Furst, Stefan, to W. Reiners. Method and device for drawing warp threads from a creel to a warper. 3,317,979, 5–9–67, Cl. 28—32.
Furst, Stefan, to Walter Reiners. Apparatus for seizing the yarn ends of spinning cops or similar yarn coils. 3,352,505, 11–14–67, Cl. 242—35.6.

Furst, Stefan, to W. Reiners. Automatic yarn package winding machine. 3,356,306, 12–5–67, Cl. 242—35.5.
Furtado, Arthur, I. Rios, Jr., and W. R. Wisecarver, said Wisecarver assignor, to said Furtado and Rios, (d.b.a.) ABC Frame & Pallet Co. Frame corner rounding apparatus. 3,333,614, 8–1–67, Cl. 144—141.
Furth, Benedictus, to Honeywell G.m.b.H. Spark ignitor loading and releasing apparatus. 3,307,053, 2–28–67, Cl. 310—8.
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Vassel, Bruno, Furtner, and Feige. 3,300,330.
Furuhata, Yoshio: *See*—
Abe, Zenmon Takami Matsuura, and Furuhata. 3,321,-696.
Furui, Shungo, 50% to G. Thunberg. Plural fluorescent lamp starting circuit using an unignited lamp as ballast. 3,315,-123,4–18–67, Cl. 315—100.
Furui, Takeo: *See*—
Ishimitsu, Akitoshi, Furui, and Sugahara. 3,332,862.
Furukada, Yozo, T. Satomi, H. Hariu, and S. Takei to Kabushiki Kaisha Ricoh. Photosensitive system for taking out desired portions of records on microfilm. 3,299,272, 1–17–67, Cl. 250—219.
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Kanno, Tomonobu. 3,295,272.
Furukawa, Eiji, to Daido Yusoki Kabushiki Kaisha, and Hitachi Zosen Kabushiki Kaisha. Apparatus for the sidewise displacement of wheeled vehicles. 3,356,038, 12–5–67, Cl. 104—35.
Furukawa Electric Co. Ltd., The: *See*—
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Umewaka, Toshio, Kachi, Okubo, and Hirano. 3,300,-843.
Furukawa, Hideyuki: *See*—
Shiga, Akio, and Furukawa. 3,342,711.
Furukawa, Junji, T. Saegusa, and H. Imai, to Zaidan Hojin Nihon Kagaku Seni Kenkyusho. Polymerization of tetrahydrofuran. 3,314,898, 4–18–67, Cl. 260—2.
Furukawa, Masaaki: *See*—
Muta, Akinori, Furukawa, and Koyama. 3,355,527.
Furukawa, Mitsuru: *See*—
Uedo, Takeo, Toyoshima, and Furukawa. 3,350,398.
Furukawa, Tetsuya, Y. Nitta, and N. Kiyokuni, to Fuji Denki Seizo Kabushiki Kaisha. Gas blast circuit breaker with electromagnetic contact actuating means. 3,315,056, 4–18–67, Cl. 200—148.
Furukawa, Tomozo, and N. Wakayama, to Nihon Genshuryoku Kenkyu Sho. Apparatus for suppressing the appearance of transient responses or spikes. 3,307,044, 2–28–67, Cl. 307—88.5.
Furukawa, Yuichiro. Bearing for impeller shaft. 3,352,610, 11–14–67, Cl. 308—122.
Furusawa, Akira: *See*—
Tanaka, Yukio, Furusawa, and Isobe. 3,332,809.
Furuseth, Dean H. Vehicle mounted hole driller. 3,327,789, 6–27–67, Cl. 173—38.
Furuta, Michael W.: *See*—
Glass, Marvin I., Janiszewski, and Furuta. 3,347,548.
Glass, Marvin I., Stan, Ancevicius, and Furuta. 3,339,921.
Furuya, Iwao. Clothes packing bag and carrier. 3,295,644, 1–3–67, Cl. 190—43.
Fuscoe, John M.: *See*—
Gregory, John W., Fetheroff, and Fuscoe. 3,300,341.
Fuse, Goro *See*—
Nishimoto, Koichi, Fuse, and Nakanishi. 3,305,442.
Fuse Indicator Corp.: *See*—
Linton, William C. 3,304,391.
Fuselier, Alfred G., to Byron Jackson, Inc. Tool for pulling a pin from a pipe protector. 3,313,019, 4–11–67, Cl. 29—252.
Fuss, Peter S., to Bell Telephone Laboratories, Inc. High speed split channel time compressor. 3,355,554, 11–28–67, Cl. 179—15.55.
Fussell, Lewis, Jr.: *See*—
Babb, James W., Fussell, Mims, and Grier. 3,307,005.
Fussenhauser, Herbert, and H. Reim, to Feldmuehle Aktiengesellschaft. Cutting tool holder. 3,331,116, 7–18–67, Cl. 29—96.
Fussgänger, Rudolf: *See*—
Schorr, Manfred, and Fussganger. 3,342,829.
Schorr, Manfred, Fussgänger, Bauer, and Nesemann. 3,344,155.
Schorr, Manfred, Fussgänger, Nesemann, and Bauer. 3,322,768.
Fussnegger, Wolfgang: *See*—
Strien, Werner, Resag, Fussnegger, Schmerreim, and Von Sass. 3,315,298.
Futaki, Hisao, and K. Ikegami, to Kabushiki Kaisha Hitachi Seisakushio. Critical temperature thermistor relaxation oscillator. 3,328,722, 6–27–67, Cl. 331—71.
Futamata, Masayuki, to Kabushiki Kaisha Komatsu Seisakusho. Hydraulically operated power system. 3,303,647, 2–14–67, Cl. 60—53.
Futamata, Masayuki, to Kabushiki Kaisha Komatsu Seisakusho. Combined speed control and steering device for vehicles. 3,323,607, 6–6–67, Cl. 180—6.48.
Futami, Atsushi, and K. Hayashi, to Teijin Ltd. Method of reducing the viscosity of a solution of cellulose derivative. 3,347,689, 10–17–67, Cl. 106—178.
Futami, Kakuo: *See*—
Oshima, Shintaro, Futami, Fukui, Kamibayashi, and Komazawa. 3,315,086.
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Gale, Paul H., to Merck & Co., Inc. Preparation of coenzyme Q_{10} (H-10) from gibberella. 3,313,831, 4–11–67, Cl. 260—396.

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Galey, William F., to Pittsburgh Plate Glass Co. Method of shifting glass on a molten metal bath. 3,356,478, 12–5–67, Cl. 65—99.

Galey, William F., to Pittsburgh Plate Glass Co. Method of controlling the thickness of float glass. 3,356,479, 12–5–67, Cl. 65—99.

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Galey, William F., and G. W. Misson, to Pittsburgh Plate Glass Co. Read-out apparatus for interrogating perforated tape. 3,316,391, 4–25–67, Cl. 235—61.11.

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Galginaitis, Simeon V., to General Electric Co. Semiconductive display device. 3,333,135, 7–25–67, Cl. 313—108.

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Galley, Hollis T., and A. C. Rissberger, Jr., to Eastman Kodak Co. Cartridge dispenser. 3,315,910, 4–25–67, Cl. 242—71.1.
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Gallien, Bennie L., to Sperry Rand Corp. Character reader. 3,320,588, 5–16–67, Cl. 340—146.3.
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Gallo, John F. Glass washing machine. 3,315,294, 4–25–67, Cl. 15—76.
Gallo, John, Sr. Double edge hole saw and mandrel. 3,360,025, 12–26–67, Cl. 145—130.
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Gamage, Russell W. Rotary external combustion engines. 3,310,043, 3–21–67, Cl. 123—12.

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Gancy, Alan B., to FMC Corp. Dissolution of trona at elevated temperature and pressure. 3,328,130, 6–27–67, Cl. 23—312.

Gancy, Alan B., and P. M. Di Bello, to FMC Corp. Preparation of dense sodium carbonate and the product thereof. 3,333,918, 8–1–67, Cl. 23—63.

Gander, Robert J., to Johnson & Johnson. Pressure-sprayable water-soluble alkyl-acrylate polymers. 3,305,510, 2–21–67, Cl. 260—33.2.

Gander, Robert J., to Johnson & Johnson. Pressure-sprayable water-soluble alkyl acrylate polymer solutions. 3,305,511, 2–21–67, Cl. 260—33.2.

Gander, Robert J., to Johnson & Johnson. Pressure-sprayable water-soluble alkyl acrylate polymer solutions. 3,305,512, 2–21–67, Cl. 260—33.2.

Gander, Robert J., to Johnson & Johnson. Pressure-sprayable water-soluble alkyl methacrylate polymer solutions. 3,305,-513, 2–21–67, Cl. 260—33.2.

Gander, Robert J., to Johnson & Johnson. Adhesive compositions. 3,321,451, 5–23–67, Cl. 260—79.3.

Gander, Robert J., to Johnson & Johnson. Sheet materials. 3,325,459, 6–13–67, Cl. 260—80.5.

Gander, Robert J., to Johnson & Johnson. Adhesive compositions comprising amine salts of acrylic polymers. 3,341,505, 9–12–67, Cl. 260—86.1.

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Gange, Robert A., to Radio Corp. of America. Cryoelectric circuits. 3,354,441, 11–21–67, Cl. 340—173.1.

Gangelhoff, Vernon E. Bathtub construction. 3,299,444, 1–24–67, Cl. 4—173.

Gangell, Lawrence J. Automobile waste receptacle. 3,321,-237, 5–23–67, Cl. 296—63.

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Gannon, James J., to General Aniline & Film Corp. Copolymer vinylpyrrolidone vinylacetate film former for coating or printing on water soluble films. 3,336,156, 8–15–67, Cl. 117—138.8.

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Ganouna-Cohen, Gilbert, to Commissariat a l'Energie Atomique. Contact electrometers with oscillating blades. 3,304,426, 2–14–67, Cl. 250—83.6.

Gans, Carl, and W. Tanski, Jr.; said Tanski, assor. to said Gans. Remote control focusing attachment for a microscope. 3,350,977, 11–7–67, Cl. 88—1.
Gans, Daniel, Jr., W. C. Woodman, R. A. De Luca, and N. B. Cleveland, to Stone & Webster Engineering Corp. Containment vessels. 3,322,141, 5–30–67, Cl. 137—312.
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Ganz, Robert H., to Continental Can Co., Inc. Machine for and method of applying carriers to containers. 3,303,631, 2–14–67, Cl. 53—48.
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Ganzinotti, Jean V., to Etablissements Maille et Vagneux and Equipement Moderne Industriel Par Application du Caoutchouc Manufacture et des Plastiques "E.M.I." Refrigerator doors. 3,335,538, 8–15–67, Cl. 52—624.
Ganzinotti, Jean V., to Etablissements Maille et Vagneux and Equipement Moderne Industriel Par Application du Caoutchouc Manufacture et des Plastiques "EMI." Refrigerator door seal. 3,341,974, 9–19–67, Cl. 49—477.
Ganzinotti, Jean V., and M. Decubber, to Etablissements Maille et Vagneux. Air-tight doors equipped with inflatable seals. 3,302,333, 2–7–67, Cl. 49—281.
Gaon, Joseph, to Heat Timer Corp. Multi-cathode electronic stepping tube counter and indicator. 3,302,006, 1–31–67, Cl. 235—92.
Gapen, Clarence A. Vehicle pneumatic tire composition. 3,301,301, 1–31–67, Cl. 152—330.
Gapp, Roland H., to Textron Industries, Inc. Die-draw blind rivet with non-deforming die. 3,302,510, 2–7–67, Cl. 85—77.
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Garand, Edward A., and J. L. Galvagni, to Transistor Electronics, Inc. Electrolytic capacitor including container and means preventing closure plug leakage. 3,333,164, 7–25–67, Cl. 317—230.
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Garay, Miguel A. Removable cork. 3,307,727, 3–7–67, Cl. 215—55.
Garay, Miguel A., 50% to P. L. Struebing. Bartender's aid. 3,327,682, 6–27–67, Cl. 118—16.
Garay, Paul N. Centrifugal roller torque converter. 3,330,392, 7–11–67, Cl. 192—103.
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Garber, John D., G. M. Ide, and M. F. Meigs, to Merck & Co., Inc. Shrinkproofing wool through serial impregnation with a diisocyanate having one or two terminal ester groups and a diamine. 3,357,785, 12–12–67, Cl. 8—128.
Garber, John D., D. Wasserman, and R. A. Gasser, to Merck & Co., Inc. Polyurethanes and polyureas from diisocyanates. 3,358,005, 12–12–67, Cl. 260—404.5.
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Garberi, Sergio, and G. Ricciardi, to Ing. C. Olivetti & C. S.p.A. Program control device for an adding or accounting machine. 3,318,520, 5–9–67, Cl. 235—60.47.
Garbuny, Max, to Westinghouse Electric Corp. Transmission line monitor apparatus utilizing electromagnetic radiation between the line and a remote point. 3,312,895, 4–4–67, Cl. 324—96.
Garbuny, Max, to Westinghouse Electric Corp. Metastable ion pinch light source. 3,358,169, 12–12–67, Cl. 313—63.
Garbus, Richard O., to Worthington Corp. Minimum discharge pressure regulator for rotary compressors. 3,318,514, 5–9–67, Cl. 230—206.
Garbus, Sol. Folding door structure. 3,297,077, 1–10–67, Cl. 160—231.
Garbutt, John T., to Grain Processing Corp. Purification of enzymes. 3,318,782, 5–9–67, Cl. 195—66.
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Garcia, Anthony M., and L. H. Redford, to Earl C. Gibbs, Inc. Apparatus for dressing slaughtered animals. 3,317,949, 5–9–67, Cl. 17—24.
Garcia, Anthony M., and L. H. Redford, to Earl C. Gibbs, Inc. Conveyor systems. 3,318,261, 5–9–67, Cl. 104—91.
Garcia, Armando J., to United-Carr Inc. Wedge base bulb socket. 3,354,423, 11–21–67, Cl. 339—128.
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Garcia, Henri, to Centre National de la Recherche Scientifique (French Government Administration). Methods of preparing thiotrithiazyl chloride. 3,326,643, 6–20–67, Cl. 23—357.
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Garcia, Pedro A. Manufacture of footwear. 3,333,353, S–1–67, Cl. 36—68.
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Garcia, Uville A. Electric control switch for automobile air conditioners. 3,312,917, 4–4–67, Cl. 335—122.
Garcia Boutigue, Hector S. Photo-composing machine. 3,315,561, 4–25–67, Cl. 88—24.
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Gardel, Robert, and E. Gorsky. Walking doll or the like. 3,300,892, 1–31–67, Cl. 46—149.
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Illingworth, Robert H., and Benson. 3,354,028.
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Diachenko, Sergej A. 3,356,166.
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Gardner, Edwin A., to Esengee Harvester Corp. Picker transportation and fruit-delivery apparatus. 3,305,113, 2–21–67, Cl. 214—83.1.
Gardner, Ernest A., to McDowell-Wellman Engineering Co. Anti-flushing automatic screw feeder. 3,338,472, 8–29–67, Cl. 222—55.
Gardner, Frank D. Garland. 3,318,755, 5–9–67, Cl. 161—25.
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Gardner, George J., to Automation Devices, Inc. Sizing and orienting device and method. 3,313,410, 4–11–67, Cl. 209—73.
Gardner, George S., and A. J. Saukaitis, to Amchem Products, Inc. Chemical plating process. 3,346,404, 10–10–67, Cl. 106—1.
Gardner, Harry, to The Austin Motor Co. Ltd. Variable-speed power transmission mechanisms. 3,308,673, 3–14–67, Cl. 74—333.
Gardner, Henry H., to Ethyl Corp. Apparatus for surface grinding generally spherical elements. 3,300,905, 1–31–67, Cl. 51—33.
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Gardner, Hugh B., to United States of America, Navy. Signal simulator for phase channel combiners. 3,344,429, 9–26–67, Cl. 343—113.
Gardner, Jimmie S. Bulk carrier and conveyor assembly. 3,315,826, 4–25–67, Cl. 214—83.2.
Gardner, Joe H., to Virginia Industries, Inc. Removable caps for curb boxes. 3,326,404, 6–20–67, Cl. 220—24.5.
Gardner, John, and M. I. Ritchie, to Utah Construction & Mining Co. Leaching of uranium ore in situ. 3,309,140, 3–14–67, Cl. 299—4.
Gardner, John B., and B. G. Harper, to The Dow Chemical Co. Bacteria resistant latices of graft copolymers of N-vinyl heterocyclic monomers on polymeric backbones. 3,322,-712, 5–30–67, Cl. 260—29.6.
Gardner, John F., P. A. Lawrence, and J. N. Turnbull, to The British Petroleum Co., Ltd. Removing olefins from molecular sieve desorption gas. 3,355,381, 11–28–67, Cl. 208—310.
Gardner, John N., to Schering Corp. Method for introducing an oxygen function into a steroid molecule containing a keto group. 3,356,696, 12–5–67, Cl. 260—397.4.
Gardner, John N., to Smith Kline & French Laboratories. Guanidinoalkylbenzodioxan derivatives. 3,360,529, 12–26–67, Cl. 260—340.3.
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Gardner, Orville N. Mattress retainer. 3,350,726, 11–7–67, Cl. 5—317.
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Garfield, William L., to International Standard Electric Corp. Electrical pulse rate counter circuit. 3,324,391, 6–6–67, Cl. 324—78.
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Garfinkel, Jack, to Speedfast Corp. Pressure air actuated tool and valve structure for use therewith. 3,301,139, 1–31–67, Cl. 91—355.
Garfinkel, Marvin, and W. E. Engeler, to General Electric Co. High power semiconductor laser devices. 3,303,432, 2–7–67, Cl. 331—94.5.
Garfinkle, Marvin. Pneumatic anti-skid vehicle tires. 3,340,-921, 9–12–67, Cl. 152—208.
Gargani, Arnold J., to Leeds & Northrup Co. Silicon controlled rectifier relay driver with feedback. 3,310,714, 3–21–67, Cl. 317—148.5.

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Garland, Theodore F. Material cleaning apparatus. 3,357,555, 12–12–67, Cl. 209—18.
Garland, Walter D., to The Western Co. of North America. Self-disintegrating bag. 3,347,297, 10–17–67, Cl. 150—1.
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Garner, Albert Y., to Monsanto Research Corp. Process for preparing hydroxyalkyl phosphine oxides. 3,346,647, 10–10–67, Cl. 260—606.5.
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Garner, Oscar G., to General Cable Corp. Method and apparatus for making precision sized tubing. 3,332,138, 7–25–67, Cl. 29—430.
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Garnett, James R., and H. Brown, to United States of America, Navy. Dimmer circuit for gas discharge tubes. 3,321,-666, 5–23–67, Cl. 315—209.
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Garnier, Michel R., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Electric current generator in combination with an internal combustion engine. 3,349,-248, 10–24–67, Cl. 290—2.
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Garnish, Edward W., to Ciba Ltd. New epoxide resins, processes for their production and hardenable compositions containing such epoxide resins. 3,310,528, 3–21–67, Cl. 260—47.
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Garrett, Dwight A., to Garrett Enumclaw Co. Chain-drive articulating frame vehicle. 3,299,981, 1–24–67, Cl. 180—51.
Garrett, Edward O., Jr., and P. M. Noble, to Westinghouse Air Brake Co. Railway car retarder control systems. 3,340,963, 9–12–67, Cl. 188—62.
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Garrett, Henry U., C. M. Peters, and R. W. Dinning, assors., to said Garrett. Well fluid flow regulator. 3,318,386, 5–9–67, Cl. 166—224.
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Garrett, Henry U., C. M. Peters, and R. W. Dinning. Well apparatus. 3,353,605, 11–21–67, Cl. 166—53.
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Garrett, Sterling P., to Wincharger Corp. Electric generating systems. 3,353,089, 11–14–67, Cl. 322—27.
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Garrett, Walter L., and R. E. Friedrich, to The Dow Chemical Co. Electrophotographic printing process using a dialkoxy aluminum fatty acid salt as the cross-linking catalyst. 3,329,499, 7–4–67, Cl. 96—1.
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Freedlander, Abraham L., Matthews, and Garrett. 3,343,355.
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Garrette, Charles H., Jr., and H. M. Ryan, to Armed Forces Equipment Development Corp. Mast assembly and ground engaging support therefor. 3,318,560, 5–9–67, Cl. 248—44.
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Garthoffner, Hermann E. Double deck auto park apparatus. 3,351,218, 11–7–67, Cl. 214—16.1.
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Gateff, George, to the B. F. Goodrich Co. Process for the chlorination of polyvinyl chloride. 3,334,078, 8–1–67, Cl. 260—92.8.
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Gately, Joseph R., to Forbro Design Corp. Transistor regulated power supply leakage current supply. 3,323,035, 5–30–67, Cl. 321—16.
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Gates, James T., R. L. Legue, and W. R. Dick. Reminder clock. 3,353,347, 11–21–67, Cl. 58—6.
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Gates, Robert L., to TRW Inc. Gyro compass misalignment measuring apparatus and method. 3,346,966, 10–17–67, Cl. 33—226.
Gates, Robert W., to United States of America, Atomic Energy Commission. Minimal gas producing low detonation rate explosive and detonation sources. 3,299,811, 1–24–67, Cl. 102—24.
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Gathman, David W., and C. A. Foster, to Bethlehem Steel Co. Method and means for preventing center wires from working out of a strand of a wire rope splice. 3,295,309, 1–3–67, Cl. 57—142.
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Gattner, Gunther E., U. Tanke, and K.-H. Widdel, to Siemens & Halske Aktiengesellschaft. System for monitoring and pick-up of signal pulses occurring at random sequence on signal lines with or without interposed connecting devices, in particular, tariff-charge pulses in telephone installations. 3,342,939, 9–19–67, Cl. 179—7.1.
Gattner, Gunther E., and K.-H. Widdel, to Siemens & Halske Aktiengesellschaft. Arrangement for registering call metering impulses in a communication system. 3,342,940, 9–19–67, Cl. 179—9.
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Gaudlitz, Arthur, to Siemens Aktiengesellschaft. Point-contact diode with Au-Pt point. 3,355,638, 11–28–67, Cl. 317—236.
Gauer, Walter, and R. E. Hathaway. Metal strip edging apparatus. 3,343,394, 9–26–67, Cl. 72—199.
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Durand, Charles C., Jr. 3,333,790.
Durst, Paul T., and Sutton. 3,354,281.
Dwight, Barton R. 3,342,194.
Edwards, Harold H., and Newhouse. 3,356,960.
Eff, Christian A. 3,331,943.
Egle, John E. 3,335,969.
Ehrich, Frederic F. 3,309,867.
Eisenlohr, Alfred. 3,340,084.
Ellert, Frederick J., Merriam, Peterson, and Tye. 3,327,306.
Ellis, George W. 3,295,495.
Elwell, Richard C. 3,298,751.
Enderby, Charles E. 3,349,346.
Enright, John A. 3,329,825.
Eppert, Franklin P. 3,333,150.
Eppert, Franklin P. 3,351,809.
Erb, Dale M., and Kast. 3,339,574.
Ericson, Eric A. 3,301,989.
Ericson, Eric A. 3,331,049.
Ericson, Eric A. 3,335,329.
Erwin, John R., and Perugi. 3,314,649.
Etherington, Theodore L. 3,309,219.
Evans, John T. 3,327,101.
Evans, John T. 3,349,229.
Evans, Ross M., Jr. 3,308,498.
Fahey, John R., and Lanzl. 3,346,787.
Faler, Paul E. 3,296,360.
Farnsworth, Richard G. 3,302,005.
Fazio, James A. 3,359,506.
Fenner, Gunther E. 3,360,609.
Fernberger, John M. 3,338,049.
Fields, James M., and Kyzer. 3,340,459.
Finch, Thomas E., and Skogland. 3,304,408.
Finkbeiner, Herman L. 3,352,879.
Finkenstein, William R., and Olashaw. 3,357,727.
General Electric Co.: *See*—Continued
Fisher, David C., and Forman. 3,333,045.
Fisher, David C., and Forman. 3,340,493.
Fisher, Lawrence E. 3,315,129.
Flashman, Barry P. 3,346,351.
Fleischer, Robert L. 3,346,425.
Fleming, Rodney A. 3,324,473.
Fortenbach, John H., Hollowood, and Mazanek. 3,320,452.
Foster, Allan D., and Sims. 3,346,378.
Foster, William P. 3,339,933.
Foulds, Arthur E., and Sullivan. 3,359,807.
Fowler, Robert Z., and Seymour. 3,321,639.
Fox, Daniel W. 3,311,587.
Fox, Daniel W. 3,336,350.
Fox, Daniel W. 3,356,761.
Fox, Francis K. 3,343,080.
Frank, Gerald F. 3,334,320.
Frankel, Stanley P. 3,296,459.
Franklin, John S., and Baldwin. 3,348,035.
Franklin, John S., and Baldwin. 3,353,015.
Franz, Joseph P. 3,300,746.
Freeman, Arthur H., and Forman. 3,308,535.
Freeman, Arthur H., and Forman. 3,348,116.
Freid, Wilbert B. 3,358,440.
Frey, Howard A. 3,301,938.
Frey, Howard A. 3,315,046.
Frey, Howard A. 3,317,659.
Fridrich, Elmer G. 3,305,289.
Friedman Arnold I., and Beaumont. 3,310,418.
Fritz, Robert J. 3,334,023.
Gaertner, Richard F. 3,301,314.
Gaertner, Richard F. 3,356,691.
Gaines, Stanley L. 3,307,211.
Galginaitis, Simeon V. 3,302,051.
Galginaitis, Simeon V. 3,333,135.
Garfinkel, Marvin, and Engeler. 3,303,432.
Gatti, Arno, and Untiedt. 3,334,965.
Gauthier, George E. 3,296,563.
Gauthier, George E. 3,350,525.
Gauthier, George E. 3,353,128.
Gauthier, George E., and Jencks. 3,360,751.
Gaynor, Joseph. 3,298,833.
Gaynor, Joseph. 3,346,384.
Gaynor, Joseph, Metlay, and Sewell. 3,305,361.
Gaynor, Joseph, and Stahl. 3,360,784.
Gelbard, Robert B. 3,320,761.
Gentry, Finis E. 3,303,360.
Gentry, Finis E. 3,324,359.
Gentry, Finis E. 3,332,143.
Gesmar, Jorgen, and Seymour. 3,304,625.
Getman, Clarence. 3,296,416.
Getman, Clarence. 3,350,542.
Geyer, Howard M. 3,357,664.
Geyer, Howard M., and Frewin. 3,357,283.
Glaever, Ivar. 3,356,864.
Gibb, George H. 3,329,243.
Gibb, George H. 3,333,475.
Gibson, David F. 3,351,725.
Giger, Walter, Jr., and Harton. 3,346,687.
Giles, Walter B. 3,303,810.
Giles, Walter B. 3,303,811.
Gist, William B., Jr. 3,302,404.
Gist, William B., Jr. 3,358,441.
Glashaw, William F., and Wasileski. 3,308,348.
Glenn, William E., Jr. 3,320,468.
Glenn, William E., Jr. 3,325,789.
Glenn, William E., Jr. 3,335,413.
Glenn, William E., Jr. 3,358,174.
Goetz, Ernest F. 3,310,762.
Goff, Leon E., Jr. 3,333,154.
Goldberg, Leon J. 3,309,570.
Good, William E., and Graser. 3,305,630.
Good, William E., and Graser. 3,308,230.
Good, William E., Graser, and Juhlin. 3,330,908.
Good, William E., Graser, and Vanderlaan. 3,305,631.
Good, William E., and True. 3,325,592.
Good, William E., and Vanderlsan. 3,345,462.
Goodridge, Lawrence C. 3,354,352.
Goossens, John C. 3,296,195.
Goossens, John C. 3,303,163.
Goossens, John C. 3,305,525.
Goossens, John C. 3,338,868.
Gough, Alfred B. 3,328,578.
Gould, Herbert R. 3,323,006.
Grabowski, Stanley J., and Tittel. 3,337,755.
Grafham, Denis R. 3,310,724.
Grafham, Denis R. 3,320,473.
Grahame, Frederick W. 3,302,081.
Grams, William R. 3,297,919.
Green, Frank W. 3,334,341.
Green, Frank W., and Watrous. 3,319,126.
Green, James, Jr., and Gresens. 3,357,275.
Greene, Lawrence E. 3,341,916.
Grobel, Lloyd P. 3,317,759.
Grobel, Lloyd P., and DeForest. 3,307,252.
Groschke, George F. 3,350,751.
Grossoehme, Floyd. 3,358 210.
Grubb, Willard T. 3,328,204.
Gulick, William K. 3,314,335.
Gulick, William K. 3,322,281.
Guth, Lauren W. 3,321,261.
Gutzwiller, Frank W. 3,302,031.
Gutzwiller, Frank W. 3,335,291.

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Hagendoorn, Willem J. 3,359,053.
Hale, David J. 3,327,259.
Hall, Harold E., and Karras. 3,350,885.
Hall, Richard D. 3,359,808.
Hall, Robert N. 3,331,124.
Hall, Robert N. 3,335,084.
Hall, Robert N. 3,359,507.
Hall, Robert N. 3,359,508.
Hall, Robert N. 3,359,509.
Hall, Walter L. 3,337,512.
Halpin, George N. 3,334,334.
Haltner, Arthur J., and Luetzel. 3,297,572.
Hardy, Albert L. 3,335,970.
Ham, Donald M., and Serck-Hanssen. 3,304,414.
Hamilton, Stephen B., Jr., and Blanchard. 3,351,667.
Hammerly, Herman J. 3,360,690.
Hansen, Kenneth M. 3,353,854.
Harms, Harold B. 3,329,908.
Harnden John D., Jr., and Watrous. 3,322,933.
Harris, Lawrence A. 3,351,794.
Harton, Lynn M. 3,360,602.
Harvey, Luke M. 3,331,937.
Hauser, Charles E. 3,306,694.
Hay, Allan S. 3,300,456.
Hay, Allan S. 3,306,874.
Hay, Allan S. 3,306,875.
Hay, Allan S. 3,310,586.
Hay, Allan S. 3,332,916.
Hedges, Charles P. 3,327,666.
Heft, Eldon B., and Johnson. 3,315,189.
Heit, Henry J. 3,310,654.
Helfer, Donald F. 3,317,699.
Hemsworth, Martin C. 3,332,238.
Hemsworth, Martin C. 3,335,567.
Henderson, Wayne L. R. 3,305,255.
Henshaw, Robert W., and Tassie. 3,333,506.
Henshaw, Wallace H., Jr. 3,329,924.
Herold, Henry L., and Weizebaum. 3,354,466.
Herrick, Carlyle S. 3,341,855.
Herrick, Carlyle S., and Day. 3,317,736.
Hershyn, William. 3,353,056.
Hewett, Major W., and Meyer. 3,303,340.
Hewlett, Clarence W., Jr. 3,315,236.
Heyhal, Edward B. 3,305,658.
Hiatt, William R. 3,324,531.
Hiatt, William R., and Barrett. 3,336,514.
Hildebrand, George L. 3,321,980.
Hill, Eugene T., and Spencer. 3,303,867.
Hill, William C. 3,331,057.
Hill, William C., and Birmingham. 3,333,250.
Hlubik, Simon. 3,319,350.
Hoag, Yates M. 3,323,738.
Hoag, Yates M. 3,347,483.
Hodgdon, Russell B., Jr., Enos, and Aiken. 3,341,366.
Hodges, Merwyn E. 3,334,247.
Hodges, Ralph D., and Avila. 3,348,183.
Hoffman, Herbert N. 3,310 069.
Hoffman, Mary V. 3,305,490.
Hoffman, Mary V. 3,314,893.
Hoffmann, Daniel C. 3,358,250.
Holdgreve, Eugene A. 3,316,471.
Holliday, John H. 3,328,545.
Holub, Fred F. 3,309,334.
Holub, Fred F. 3,325,450.
Horn, Philip R. 3,301,270.
Hoth, Robert C. 3,351,189.
Howald, Werner E. 3,314,648.
Howald, Werner E. 3,319,930.
Howald, Werner E. 3,335,483.
Howell, E. K. 3,310,687.
Howell, Edward K. 3,321,641.
Howell, Edward K. 3,346,744.
Howell, Edward K. 3,346,874.
Howell, Edward K. 3,354,312.
Howell, Edward K. 3,360,713.
Hsu, Hsiung, and Wanuga. 3,320,542.
Hubrich, Frederick M. 3,303,325.
Hudak, Nicholas J. 3,333,208.
Hudson, Robert C. 3,302,158.
Hughes, Philip G. 3,305,804.
Hughes, William C., Stein, and Kunz. 3,317,104.
Hughes, William C., and Wolfe. 3,328,776.
Hull, Bobbie B. 3,299,304.
Hull, Edwin H., and Vanderslice. 3,356,473.
Hull, Thomas N., Jr. 3,303,653.
Hull, Thomas N., Jr., and Gist. 3,312,429.
Hull, Thomas N., Jr., and Rowe. 3,312,448.
Hummel, Wiley M., and Gustafson. 3,344,252.
Humphrey, John G. 3,301,951.
Humphrey, John G. 3,303,282.
Hupp, Arthur C. 3,313,984.
Hurko, Bohdan. 3,336,465.
Hyer, Donald R. 3,302,112.
Ing, Samuel W., Jr., and Jensen. 3,358,146.
Iverson, Arthur H. 3,328,619.
Jacobs, Lewis W., and Sabatella. 3,309,580.
Jacobson, Chester F. 3,351,736.
Jacobson, John W., and Poole. 3,355,992.
Jacobus, Dwight W. 3,309,887.
Jacobus, Dwight W. 3,327,493.
Jacobus, Dwight W., and Bodong. 3,300,998.
Jacomini, Omar J. 3,320,609.

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Jaffe, Mary S., and Fridrich. 3,315,111.
Jencks, Charles L. 3,309,637.
Jencks, Charles L., and Kiesel. 3,343,109.
Jenkins, Thomas E. 3,312,232.
Jenny, Alfred L. 3,351,823.
Johnson, Frithiof V. 3,355,953.
Johnson, Harry L. 3,343,565.
Jollis, Allen U., Cummings, and Bayer. 3,357,906.
Jones, Claude K., and Martin. 3,308,049.
Jones, Gary D. 3,324,678.
Jones, Gary D., Vanegas, and True. 3,350,899.
Jones, Hal, Jr., and Wood. 3,319,047.
Jones, Howard T. 3,297,970.
Joseph, Raymond S. 3,359,374.
Joseph, Raymond S., and Buell. 3,337,280.
Kaiser, Donald E. 3,313,968.
Kane, John F. 3,309,561.
Kantor, Simon W., and Sonnenberg. 3,306,876.
Kanzig, Werner. 3,296,825.
Kappus, Peter G. 3,312,424.
Kappus, Peter G. 3,335,976.
Kappus, Peter G. 3,355,890.
Kast, Howard B. 3,334,521.
Katchman, Arthur. 3,296,509.
Kauffman, Melvin R. 3,306,693.
Kavanaugh, Bernard J. 3,324,742.
Keeney, Marvin F., Jr., and Walker. 3,343,063.
Kelley, Harold P., Jr. 3,339,065.
Kelling, Leroy U. C. 3,303,421.
Kelling, Leroy U. C. 3,308,279.
Kelling, Leroy U. C. 3,319,054.
Kelm, Walter H. 3,341,920.
Kelm, Walter H. 3,341,923.
Kendt, Norman L., and Payton. 3,306,319.
Kercher, David M. 3,301,527.
Kernander, Warren N., and Van Bennekom. 3,330,027.
Kershaw, Delmar D. 3,320,352.
Kiesel, George W., and Owen. 3,296,565.
Kiesel, George W., and Owen. 3,309,478.
Kiesel, George W., and Owen. 3,340,375.
Kim, James K. S. 3,334,154.
Kim, Sang-chul. 3,335,311.
King, Ralph E. 3,320,766.
Kiser, Kenneth M., and Shade. 3,356,529.
Klebe, Johann F. 3,337,510.
Klebe, Johann F. 3,346,609.
Klebe, Johann F., and Murray. 3,352,799.
Klein, Keith W. 3,309,581.
Kling, August J., and Beggs. 3,352,729.
Knaub, Edgar W. 3,338,951.
Koch, Robert E., and Gray. 3,315,199.
Koff, Bernard L., and Burge. 3,303,998.
Kohn, Leo S., and Keane. 3,311,589.
Kolbe, Carl L. 3,358,361.
Konikoff, John J., Okamoto, and Reynolds. 3,303,105.
Kortkamp, Donald H., and Smith. 3,354,361.
Kotheimer, William C. 3,317,794.
Kotos, Peter. 3,334,321.
Koza, Russell C. 3,298,351.
Krantz, Karl W. 3,318,844.
Kravos, Joseph F. 3,316,577.
Kresge, James S. 3,348,100.
Krueger, Carl E. 3,298,271.
Krug, George A., Jr., and Curtis. 3,325,678.
Krulls, Gerd E. 3,312,843.
Krupp, Anton M., and Stone. 3,315,216.
Krzewina, Thomas. 3,347,613.
Kuelz, Emil, Jr. 3,337,721.
Kulp, John F., and Grandey. 3,336,134.
Kulpa, Theodore A. 3,296,161.
Kurt, Howard D., and Gould. 3,307,072.
Kurtz, Donald R., and Veras. 3,302,990.
Kydd, Paul H. 3,309,866.
Lacy, Robert M. 3,305,460.
Lafferty, James M. 3,303,376.
Lafferty, James M. 3,323,002.
Lafferty, James M. 3,331,981.
Lafferty, James M. 3,331,988.
Lafferty, James M. 3,356,893.
Lafferty, James M. 3,356,894.
Lafferty, James M., and Grams. 3,312,856.
Lamoreaux, Harry F. 3,296,196.
Lamoreaux, Harry F. 3,313,773.
Lamoreaux, Harry F. 3,334,066.
Lampe, Warren R. 3,305,502.
La Plante, Gordyn T. 3,351,192.
Larsen, John E. 3,333,327.
Larsen, Leon V., and Blanchet. 3,315,514.
Larsen, Walter N., Purdy, and Schwenker. 3,359,631.
Larson, Harold A. 3,341,114.
Lass, James L., and Mefford. 3,338,791.
Lass, James L., and Venier. 3,349,004.
Laug, Ernst P. 3,343,904.
Lavoo, Norman T. 3,323,072.
Lavoo, Norman T. 3,323,073.
Lawrence, Thomas F., and Martin. 3,319,929.
Lawson, Alfred C. 3,304,468.
Lawson, Gustaf R. 3,309,544.
Lawson, James L. 3,336,142.
Lawton, Elliott J. 3,330,748.
Lee, Henry P. 3,302,181.

General Electric Co.: *See*—Continued
Lee, Thomas H. 3,319,121.
Lee, Thomas H. 3,321,599.
Lee, Thomas H. 3,330,927.
Lee, Thomas H., and Liao. 3,309,555.
Lee, Thomas H., and Liao. 3,309,575.
Lee, Thomas H., and Wilson. 3,339,112.
Leete, Bernard D. 3,359,458.
Leibinger, George E. 3,353,129.
Leschen, John G. 3,295,937.
Levetan, Robert V. 3,342,848.
Lewis, Ernest E., and Maher. 3,324,740.
Lewis, Walter E. 3,318,299.
Lewis, Walter E., and Chisholm. 3,348,023.
Libby, Henry T. 3,350,534.
Lindt, Stanley L. 3,304,447.
Lindt, Stanley L. 3,304,448.
Linkous, Clovis E. 3,311,764.
Linkous, Clovis E. 3,333,329.
Linkous, Clovis E. 3,333,330.
Linkous, Clovis E. 3,351,790.
Linkous, Clovis E. 3,353,251.
Lit, Harry B. 3,312,773.
Livingston, Orrin W. 3,319,153.
Lodder, Clifford K. 3,300,851.
Loncrini, Donald F. 3,355,427.
Loncrini, Donald F. 3,360,502.
Lord, Harold W. 3,323,013.
Lord, Harold W. 3,350,622.
Love, Pender L. 3,331,204.
Low, Frank D. 3,301,022.
Low, Frank D. 3,320,778.
Luborsky, Fred E., and Drummond. 3,332,425.
Lukens, George B., II. 3,325,633.
Lukens, George B., II. 3,344,260.
Lukes, Robert M. 3,296,198.
Lupinski, John H., and Kopple. 3,346,444.
Lustenader, Edward L. 3,332,401.
Lynch, Edward I. 3,311,701.
Lyons, Ernest H., Jr., and Dempsey. 3,351,541.
Macaulay, Angus J. 3,296,417.
Macaulay, Angus J. 3,327,700.
Macaulay, Robert W., Ekstedt, and Campbell. 3,307,354.
MacKenzie, John D. 3,320,043.
Macoicz, Edward L., and Fitzpatrick. 3,352,999.
Macoicz, Edward L., and Fitzpatrick. 3,353,001.
Macoicz, Edward L., and Fitzpatrick. 3,353,002.
Mains, Edward F. 3,359,394.
Mankoff, Lawrence L., and Nakata. 3,325,708.
Mapham, Neville W. 3,319,147.
Mapham, Neville W. 3,355,600.
Marfone, Patrick A., and Lengyel. 3,302,463.
Marsh, Mendole D. 3,332,064.
Martin, Robert L. 3,339,170.
Martiniak, Leonard J. 3,347,250.
Martiniak, Leonard J. 3,356,431.
Martzloff, Francois D., and Bedford. 3,308,346.
Marx, Arthur J. 3,345,687.
Mattson, Rodney A. 3,334,228.
May, James J., and Winkowski. 3,322,885.
Mayer, Charles B. 3,323,004.
McAllister, Robert L. 3,334,494.
McBournie, Donald E., and Pfister. 3,325,339.
McCracken, Samuel T., Jr. 3,306,538.
McElligott, Peter E. 3,356,843.
McGowan, Edward J. 3,356,791.
McGrew, John M., Jr. 3,355,179.
McGrew, John M., Jr., and Fox. 3,339,670.
McHugh, James D. 3,324,970.
McNamara, John E. 3,352,775.
McNutt, William J., and Johnson. 3,349,357.
Mellyn, Lawrence P. 3,322,944.
Meng, John D. 3,309,587.
Merritt, Stanley Y. 3,317,815.
Met, Viktor O. 3,353,123.
Mets, Edwin J., and Gentry. 3,341,380.
Metzger, Matt F. 3,318,015.
Miekka, Richard G., Lyons, and Dempsey. 3,356,538.
Miles, John R. 3,296,923.
Milford, Richard E. 3,351,919.
Miller, Clarence J. 3,321,828.
Miller, Clarence J. 3,322,517.
Miller, Norval P., and Douglass. 3,310,666.
Miller, Richard H. 3,328,550.
Minnich, Stephen H., and Buchhold. 3,304,466.
Moneymaker, Elton G., and Muller. 3,334,381.
Mongesku, William O., and Richter. 3,313,587.
Mooneyhan, William R. 3,325,698.
Moore, Fred W. 3,331,384.
Moore, Harwood B. 3,296,372.
Moore, Harwood B., Hoag, and Osborn. 3,313,548.
Moore, Hugh S., and Daniels. 3,335,343.
Morey, Everett D. 3,312,234.
Morey, Everett D. 3,320,777.
Morey, Everett D., and Duvall. 3,359,578.
Morgan, Raymond E. 3,308,397.
Morgan, Raymond E. 3,320,519.
Morgan, Raymond E. 3,348,123.
Morgan, Raymond E. 3,350,572.
Morgan, Raymond E. 3,353,085.
Morgan, Raymond E. 3,360,712.
Morgan, Raymond E., and Bedford. 3,353,032.

General Electric Co.: *See*—Continued
Morris, Herbert E. 3,335,351.
Morris, Herbert E. 3,344,328.
Morris, Herbert E. 3,360,705.
Moschetti, Donald J., Smith, and Ripplinger. 3,335,661.
Moyson, Joseph, and Petruzella. 3,331,000.
Moyson, Joseph, and Petruzella. 3,354,363.
Mundschenk, Glenn R. 3,298,350.
Mundschenk, Glenn R., and Scott. 3,355,702.
Murphy, Frank E. 3,309,479.
Murphy, Robert A. 3,296,199.
Murphy, Robert A. 3,341,486.
Musick, Victor S. 3,302,925.
Nace, John F. 3,304,906.
Nash, Dudley O., and Holden. 3,357,645.
Neal, Stanford, and Tomlinson. 3,340,014.
Nelesen, Elmer J. 3,347,167.
Neugebauer, Constantine A. 3,328,200.
Neugebauer, Constantine A., and Rairden. 3,325,307.
Neusbaum, Frank A. 3,305,697.
Newhouse, Vernon L., and Edwards. 3,359,545.
Ney, Robert J. 3,335,310.
Niedrach, Leonard W. 3,297,484.
Nichols, Frank S., and Steele. 3,352,711.
Niclas, Karl B. 3,334,264.
Niles, Donald M. 3,311,196.
Noble, Milton L. 3,357,299.
Nowell, John R. 3,302,034.
Noyes, LeRoy C. 3,311,303.
Nuckolls, Joe A. 3,317,789.
Nuckolls, Joe A. 3,328,673.
Nuckolls, Joe A. 3,334,270.
Nuckolls, Joe A. 3,344,310.
Nuckolls, Joe A. 3,344,311.
Nuckolls, Joe A. 3,353,062.
Ogburn, Robert D. 3,324,273.
Ogden, Harold S. 3,317,802.
O'Hern, James V., and Schindler. 3,325,750.
Olashaw, William F. 3,346,776.
Olashaw, William F. 3,349,291.
Oliver, Curtis S. 3,301,780.
O'Neil, Franklin H. 3,302,072.
O'Neill, Clifford F., and Corsaro. 3,325,667.
Oppel, John A., and Ward. 3,333,071.
Osteen, Mitchell M. 3,309,220.
Otto, Charles W. 3,320,660.
Otto, Charles W. 3,350,586.
Owen, Henry E. S. 3,313,898.
Padgett, Cooper J. 3,345,102.
Paige, Hilliard W. 3,359,407.
Painter, Delbert J. 3,301,023.
Palmer, Alfred L., and Anderson. 3,324,824.
Palmer, Ansell W. 3,328,732.
Paradise, Francis J., and Hull. 3,339,364.
Parsons, John M., and Grunwald. 3,340,563.
Parsons, Robert H. 3,305,614.
Patsch, Glenn F. 3,346,768.
Pattison, Wesley S. 3,310,354.
Pattison, Wesley S. 3,311,072.
Pattison, Wesley S., and Lindstrom. 3,325,235.
Payton, Don E., and Pattison. 3,322,479.
Peaslee, Lawrence R. 3,350,568.
Peaslee, Lawrence R., and Caldwell. Re. 26,327.
Peek, John E., and White. 3,317,793.
Peek, Nelson A. 3,307,068.
Perlowski, Edward F., Jr. 3,308,599.
Perlowski, Edward F., Jr. 3,317,664.
Perlowski, Edward F., Jr. 3,317,665.
Petelinkar, Richard A. 3,359,186.
Peternel, Jacob R. 3,340,883.
Pezdek, Alexander J. 3,333,685.
Pfeifer, Charles W. 3,313,762.
Phillips, Robert M., and Van Hoven. 3,343,781.
Pine, Buddie J. 3,351,913.
Pistey, John M. 3,324,447.
Pistey, John M. 3,337,837.
Pistey, John M. 3,351,883.
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Plescia, Joseph J. 3,346,714.
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Prener, Jerome S., and Kingsley. 3,305,486.
Prescott, Paul I., and Selin. 3,317,578.
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Price, Paul B., and Walker. 3,303,085.
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Proffitt, Richard V. 3,331,309.
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Rayno, Glenn D., Grahame, and Paul. 3,299,333.
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Reynolds, Luther W. 3,345,989.
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Robb, Walter L. 3,325,330.
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Robb, Walter L. 3,351,203.
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Romano, Frank A., Jr., and Nicklas. 3,341,657.
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Ruth, Richard L. 3,315,234.
Rutledge, William A., and Clarkson. 3,350,588.
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Ryckman, William D., Jr. 3,312,802.
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St. Pierre, Philippe D. S. 3,327,027.
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Saldi, Ideal T. 3,321,655.
Sandin, Raymond C. 3,313,065.
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Sanford, Robert A. 3,299,387.
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Schmidt, Francis J. 3,356,597.
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Shaw, Lyle F. 3,331,215.
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Simpson, Verne G. 3,318,717.
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Stanforth, Charles M. 3,357,632.
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Steen, Floyd L. 3,317,795.
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Stephens, Joe F. 3,320,463.
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Tognella, Ugo R. 3,334,202.
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Wiley, Emmett H. 3,314,331.
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Wilk, Stanley H. 3,344,229.
Wilkerson, Robert B. 3,304,049.
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Wood, David L. 3,350,554.
Woodbury, Henry J. 3,300,671.
Woodward, Stewart A. 3,299,223.
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Dame, Charles, Jr., and Smiles. 3,314,803.
Dykes, Ralph E., and Mitchell. 3,347,363.
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Iverson, Elizabeth M. 3,341,396.
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Allen, Robert C., Jr. 3,334,215.
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Alspaugh, Samuel W. 3,333,447.
Altson, Ralph. 3,356,428.
Antaya, Clifford R., and Fox. 3,353,864.
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Attwood, William S., and Tree. 3,301,161.
Aurelia, John R., and Schultz. 3,310,137.
Baer, Donald G., Van Slyke, and Woofter. 3,322,882.
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Bailey, Charles S. 3,334,812.
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Baker, Arthur R. 3,343,765.
Baker, Marshall W., and Beatenbough. 3,314,248.
Baker, Von D., Castle, Mar, and Thompson. 3,333,818.
Barton, Edward D., and Tucker. 3,306,339.
Bartz, Otto H. 3,353,872.
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Bassett, Arthur T., Jr., and Gaugler. 3,326,726.
Bassett, Arthur T., Jr., and Siegla. 3,348,025.
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Bassett, Norman W. 3,306,994.
Bauer, Richard J., and Gass. 3,302,534.
Bauman, Robert H. 3,295,638.
Bauman, Robert H. 3,310,944.
Bauman, Robert H. 3,322,238.
Bauman, Robert H., Bratten, and Meixell. 3,357,527.
Beam, Paul E., Jr. 3,302,694.
Beam, Paul E., Jr. 3,304,008.
Beam, Paul E., Jr. 3,355,883.
Beary, Charles R. 3,310,616.
Beatenbough, Paul K. 3,353,745.
Beatenbough, Paul K., and Baker. 3,352,125.
Beaty, Allen E. 3,305,773.
Beck, George W., Knifin, and Hillberry. 3,298,189.
Beinke, Randall E. 3,301,008.
Beirise, George P. 3,303,908.
Bemmann, Richard W., and Schultz. 3,344,513.
Benasutti, Louis D., and Saunders. 3,324,679.
Bennett, Ronald W. 3,312,310.
Bernard, James A. 3,325,760.
Betz, Milton G., Shank, and Snyder. 3,314,196.
Beveridge, Thomas R., and Snyder. 3,339,664.
Bevers, Eugene J. 3,332,232.
Bevers, Eugene J. 3,342,031.
Blatt, Rudolph W., and Froberger. 3,346,713.
Blazey, Sidney H. 3,306,094.
Blinder, William. 3,332,277.
Blonn, George W., Sr. 3,311,318.
Blum, Jack E., and Ezell. 3,349,275.
Boehm, Benjamin F. 3,355,966.
Boland, Leonard A. 3,319,998.
Borman, August H., Jr. 3,308,687.
Braden, Ralph S. 3,323,543.
Bradley, Arthur W., and Smith. 3,357,522.

General Motors Corp.: *See*—Continued
Brandes, Roy H. 3,355,881.
Bratten, Thomas A. 3,303,751.
Brennan, William E., Halliday, and Pitts. 3,311,405.
Brentrup, Robert C. 3,339,010.
Brewer, Lee M., and Rohde. 3,343,782.
Brewer, Lee M., and Rohde. 3,356,292.
Brewer, Lee M., Rohde, and Thompson. 3,315,570.
Brissette, Lawrence P. 3,345,839.
Brissette, Lawrence P., and Leslie. 3,328,918.
Brown, Doyle E. 3,339,226.
Brown, Norman R. 3,347,127.
Brown, William E., and Shaw. 3,356,807.
Brubaker, Richard M. and R. F., and Stutrud. 3,305,-093.
Brucken, Byron L. 3,321,940.
Brucken, Byron L. 3,333,346.
Brucken, Byron L., and Cassady. 3,314,385.
Brucken, Byron L., and Deaton. 3,328,983.
Brunner, Richard J. 3,306,592.
Bryant, Leland W., Sharpe, and Swingle. 3,319,418.
Brynn, Gerald E. 3,321,238.
Bubniak, William C. 3,298,428.
Bubniak, William C. 3,298,429.
Buchwald, Robert M. 3,310,995.
Buchwald, Robert M. 3,335,621.
Buckman, Kenneth E. 3,321,220.
Buell, Hanry R., and Jenkins. 3,299,276.
Bullock, Norman J. 3,306,084.
Burke, Harold J. 3,308,906.
Burnell, John B. 3,354,873.
Burroughs, William W., Jr. 3,330,520.
Busch, Donald G., Covert, and Hawkins. 3,359,829.
Butts, Mervin R. 3,356,293.
Butts, Mervin R., and Tucker. 3,295,753.
Camp, John D., and Aldikactl. 3,338,113.
Campbell, David D. 3,330,199.
Campbell, Robert W., Sawyer, Ruff, Kirk, Ramey, and Worrell. 3,297,926.
Campbell, Robert W., Sawyer, Ruff, Kirk, Ramey, and Worrell. 3,320,565.
Canaday, Joe R. 3,335,243.
Canaday, Joe R. 3,339,036.
Candelise, Alfred. 3,301,242.
Candelise, Alfred. 3,340,520.
Cantleberry, Donald R. 3,342,080.
Caramanna, George. 3,348,877.
Carlson, Donald W., and Cox. 3,299,475.
Carlson, Richard A. 3,316,416.
Carothers, Frank S., Jr. 3,333,259.
Carpenter, Arthur J., and Kaptur. 3,299,571.
Carson, William D., and Paul. 3,313,033.
Carson, William D., Paul, Wilkins, and Smith. 3,314,158.
Casassa, Joseph P. 3,359,918.
Cassel, Thomas R. 3,348,629.
Cassel, Thomas R., and Redding. 3,336,056.
Castellana, Jack P. 3,299,734.
Castle, William S. 3,302,924.
Castle, William S. 3,305,166.
Castle, William S., Mar, and Thompson. 3,316,717.
Castle, William S., Mar, and Thompson. 3,338,508.
Castle, William S., Thompson, and Mar. 3,320,749.
Cataldo, Roy S. 3,338,328.
Cataldo, Roy S. 3,359,719.
Champion, Richard H. 3,338,624.
Chana, Howard E. 3,353,637.
Chana, Howard E. 3,353,641.
Chana, Howard E., Chapman, and Walker. 3,360,069.
Chapman, Charles S., Jr., and Walker. 3,359,827.
Chapman, Dennis C., Johnson, and Sgroi. 3,295,827.
Christen, Eugene W. 3,321,245.
Christenson, Howard W. 3,303,726.
Christenson, Howard W., Mabley, and Fisher. 3,319,746.
Christenson, Howard W., Mabley, and Fisher. 3,338,358.
Christenson, Howard W., Mooney, and Schaefer. 3,302,-390.
Christenson, Howard W., Mooney, and Schaefer. 3,324,-797.
Christenson, Howard W., and Schaefer. 3,320,107.
Christenson, Howard W., and Schaefer. 3,331,480.
Christenson, Jack D. 3,322,185.
Clapp, Samuel A., and Snyder. 3,318,174.
Clark, Harold E., and Wolf. 3,327,541.
Clark, James P. 3,338,226.
Clark, Norman R. 3,319,144.
Close, Albert R., and Klove. 3,343,228.
Colautti, Albert J., and Sandor. 3,313,512.
Colautti, Albert J., and Sandor. 3,346,297.
Colautti, Albert J., and Suszko. 3,357,084.
Collins, Larry L. 3,349,281.
Copp, Carl A., Jr. 3,309,889.
Corbin, Ralph L., Kruger, and Badgley. 3,329,559.
Corbin, Russel G. 3,332,541.
Cornillaud, Jack T. 3,309,966.
Cornillaud, Jack T. 3,338,360.
Corry, Thomas M., and Johnston. 3,354,370.
Costello, Robert B., and Robertson. 3,298,222.
Cote, Thomas P., and Nash. 3,327,803.
Couch, Harry J., and Kinkead. 3,343,867.
Covert, Calvin C. 3,301,330.
Cramer, Frank N. 3,304,120.
Creager, John E. 3,319,888.
Curtindale, Edward G. 3,309,663.

General Motors Corp.: *See*—Continued
Damon, Wayne E. 3,299,321.
Davidson, Jack M. 3,342,082.
Dean, Ralph Jr. 3,346,082.
Dean, Walter C., II. 3,357,210.
Deaton, Homer W. 3,339,054.
Deaton, Homer W., and Hutchinson. 3,342,961.
De Claire, James H., and Tanaka. 3,321,226.
De Claire, James H., and Tanaka. 3,332,713.
De Lorean, John Z. 3,319,598.
De Lorean, John Z., Hulten, and Waara. 3,338,229.
DeMastry, Anthony J., and Guggenaster. 3,296,694.
Dennis, David S. 3,356,081.
De Vincent, Patsy. 3,332,657.
Dobb, John A. 3,346,078.
Downing, Noel L., and Steinmetz. 3,309,868.
Drabik, Walter. 3,340,413.
Draplin, Thomas E. 3,338,007.
Drown, Herbert D. 3,356,396.
Duerr, Bruno. 3,352,104.
Dully, Floyd I. 3,317,248.
Dully, Floyd I., and Maletzke. 3,348,885.
Duncan, John M., Sprague, and Decker. 3,303,471.
Dupler, William W. 3,330,041.
Dutton, Harold R., and Eilers. 3,313,536.
Dye, Duane K., and Rohde. 3,301,011.
Earnhart, Robert L. 3,305,772.
Eddy, David W., and Lake. 3,327,858.
Edwards, George A. 3,356,424.
Egan, Gerald H., Smith, and Thompson. 3,308,512.
Egbert, Earl L. 3,314,307.
Eilers, Mark A., and Bramley. 3,347,074.
Elbert, Thomas E. 3,319,473.
Elbert, Thomas E., and Archibald. 3,326,053.
Elliott, James O. 3,340,449.
Ezop, L. Eugene. 3,346,176.
Faiver, Kenneth E., and Watt. 3,322,471.
Falcone, Francesco H., Jubelt, and Stanner. 3,321,607.
Falge, John H., and Huntzinger. 3,328,614.
Faulkner, Alfred H., and Markowitz. 3,346,847.
Fayram, David L. 3,343,168.
Fayram, David L. 3,344,427.
Ferguson, Millard A. 3,321,946.
Ferguson, Millard A. 3,344,255.
Ferrara, Rudolph A. 3,313,571.
Ferrara, Rudolph A. 3,321,242.
Ferrara, Rudolph A. 3,321,243.
Ferrara, Rudolph A. 3,343,875.
Fisher, George A. 3,337,974.
Fleck, Francis C., Forester, and Morris. 3,295,627.
Flitz, John L. 3,302,250.
Fogt, Thomas H., and Brinkman. 3,344,625.
Foote, Charles L., Jr., Knowlton, and Batterson. 3,336,-962.
Foran, David J., Jr. 3,297,891.
Forbush, Lothrop M. 3,321,199.
Forbush, Lothrop M. 3,322,235.
Forbush, Lothrop M. 3,355,218.
Forward, Robert W. 3,334,410.
Fosler, John R., and Sharpe. 3,314,257.
Frazier, Richard D., and Dafler. 3,300,666.
Frei, Arthur J., Sr. 3,306,567.
Frei, Arthur J., Sr., and Merica. 3,355,138.
Freiberger, Ronald D. 3,333,770.
Fryer, Edward R. 3,300,882.
Fuqua, Lloyd T. 3,313,077.
Fuqua, Lloyd T. 3,321,994.
Fuqua, Lloyd T. 3,322,911.
Gambill, Charles C. 3,299,346.
Gambill, Charles C. 3,305,766.
Gambill, Charles C. 3,328,662.
Gambill, Charles C., and Gaugler. 3,320,384.
Garvey, Louis P. 3,310,929.
Garvey, Louis P. 3,333,363.
Gaubatz, Arthur W. 3,318,532.
Gaugler, Richard S., and Siegla. 3,316,390.
Geller, Rodger E. 3,321,995.
Genord, Donald R., and Leslie. 3,357,134.
Gershen, Bernard J. 3,297,910.
Gershen, Bernard J. 3,317,817.
Gerstung, George W. 3,341,925.
Gionet, Edmond R. 3,351,976.
Gionet, Edmond R., and Liem. 3,325,239.
Gold, John, and Toschkoff. 3,304,880.
Gondert, Theodore R. 3,332,509.
Gonyea, Harold P. 3,347,392.
Gonyea, Harold P. 3,358,134.
Gooderum, Reuben C. 3,300,179.
Gorsky, Rudolph J. 3,313,897.
Goslin, Gerald E. 3,319,909.
Gosma, John W. 3,354,541.
Grabow, Gale R. 3,299,420.
Grabowski, Leonard R. 3,302,477.
Grabowski, Leonard R., and Rowland. 3,360,308.
Graham, Robert W. 3,302,532.
Graney, Paul L., and Hansen. 3,314,673.
Griffin, Henry W. 3,342,525.
Grimm, Robert A. 3,336,519.
Grimm, Robert A., and Johnson. 3,321,754.
Groves, Ronald C. 3,295,388.
Grundman, Richard G. 3,310,240.
Gulette, Ronald S., and Legge. 3,313,136.

General Motors Corp.: *See*—Continued
Gumbleton, James J. 3,296,647.
Guyton, James H., and Jenkins. 3,355,624.
Haas, Peter S. 3,321,734.
Hagler, Norman R. 3,306,214.
Hall, Beuford C., Jr. 3,295,825.
Hall, Harry D., Salatin, Sutherland, and Trible. 3,344,-848.
Hall, Walter B., Jr. 3,305,162.
Hancock, James L. 3,328,544.
Hanifan, William A. 3,360,322.
Hanink, Dean K. 3,339,269.
Hanley, George P. 3,301,238.
Hanson, Robert S. 3,359,750.
Harned, John L., and Highley. 3,301,608.
Harned, John L., and Zahm. 3,338,637.
Harness, Gerald A., and Kellogg. 3,327,479.
Harvey, Douglas J. 3,355,284.
Harvey, Douglas J. 3,355,285.
Hause, Gilbert K. 3,323,389.
Hause, Gilbert K., and Smith. 3,303,911.
Hayden, John R. 3,313,344.
Heath, Thomas C. 3,305,774.
Heiny, Arza D. 3,339,096.
Helton, Vernon R. 3,330,049.
Helvern, James O. 3,354,641.
Herman, Stanley W. 3,308,683.
Hermann, Donald W. 3,323,578.
Herr, Leroy E. 3,356,176.
Hetzler, Lewis R. 3,332,003.
Hewko, Lubomyr O. 3,327,566.
Hiatt, Arthur B., and Koch. 3,360,310.
Hickling, Robert, and Kent. 3,318,293.
Highley, Frank H. 3,312,509.
Hile, John W., and McKinnon. 3,355,371.
Hitzelberger, Alan. 3,348,417.
Hodgson, Robert D. 3,318,280.
Homfeld, Max F., and Mick. 3,320,938.
Hook, Gerald E., and Sobey. 3,307,131.
Hopkins, Joseph H. 3,305,254.
Hornaday, James R. 3,355,178.
Horvath, Robert A. 3,311,423.
Hulten, Richard E. 3,352,293.
Hunt, Peter F. 3,323,836.
Huntzinger, Gerald O. 3,312,936.
Huntzinger, Gerald O. 3,316,446.
Huntzinger, Gerald O. 3,357,415.
Huntzinger, Gerald O. 3,357,416.
Huntzinger, Gerald O., and Tarter. 3,320,939.
Husko, Waino L., and Lystad. 3,323,830.
Ivers, Richard J. 3,352,608.
Jackson, George W. 3,331,616.
Jackson, George W. 3,339,910.
Jackson, George W., and Long. 3,332,708.
Jacobs, James W. 3,299,524.
Jacobs, James W. 3,302,795.
Jacobs, James W. 3,309,888.
Jacobs, James W. 3,321,635.
Jacobs, James W. 3,326,787.
Jacobs, James W. 3,330,939.
Jacobs, James W. 3,331,227.
Jacobs, James W., and Brucken. 3,331,141.
Jacoby, Gerald B. 3,357,182.
Jalbing, John I., and Myers. 3,346,760.
James, Kenneth F., and Joyce. 3,313,007.
Johnson, Douglas. 3,300,121.
Johnson, Douglas. 3,313,103.
Johnson, Douglas. 3,313,105.
Johnson, Douglas. 3,332,242.
Johnson, Douglas, and Young. 3,345,035.
Johnson, Kenneth O. 3,303,992.
Johnson, Kenneth O. 3,318,513.
Johnson, Marvin W., and Park. 3,345,946.
Johnson, Ralph H. 3,352,564.
Johnson, Roger W. 3,306,838.
Johnson, Roger W. 3,338,808.
Johnson, Wylie L., III. 3,318,644.
Johnston, William J. 3,330,985.
Johnston, William J. 3,331,033.
Johnstone, Theodore H. 3,304,755.
Johnstone, Theodore H. 3,347,584.
Johnstone, Theodore H., and Skillin. 3,339,665.
Juggins, Cyril E. 3,312,804.
Julian, Clarence L., and Young. 3,336,457.
Kanaan, Ziyad R. 3,308,763.
Katz, Seymour. 3,338,740.
Katz, Seymour. 3,338,741.
Katz, Seymour. 3,348,969.
Katz, Seymour, and Miller. 3,336,160.
Kauppila, James E., and Bockemuehl. 3,320,651.
Kell, Nathaniel B. 3,314,401.
Kell, Nathaniel B. 3,316,533.
Kell, Nathaniel B. 3,326,455.
Keller, Robert C. 3,315,537.
Kellogg, George E. 3,298,177.
Kellogg, George E. 3,352,315.
Kellogg, George E., and Harness. 3,306,043.
Kelly, Kent B. 3,311,412.
Kesling, Keith K. 3,334,954.
Kesling, Keith K. 3,338,451.
Kesten, Patrick N., and Schwartzwalder. 3,328,621.
Kiefer, Edwin. 3,311,199.
Kilgore, Harry A., and Smith. 3,345,098.

General Motors Corp.: *See*—Continued
Kimberlin, Dan R., and Stearns. 3,310,993.
King, Kenneth K., and Marquis. 3,304,745.
Kirk, Robert E., and Lubert. 3,310,772.
Kirk, Thomas E., and Raver, 3,343,059.
Kitchen, Elwyn L., Lee, and Rise. 3,344,865.
Klees, Gerard T. 3,323,305.
Klein, Lee F. 3,308,957.
Kniffin, Walter G. 3,308,631.
Kobrehel, Peter M. 3,353,229.
Koci, Ludvik F. 3,313,244.
Kokochak, David G., and Gumbleton. 3,319,754.
Konopa, Richard L. 3,355,623.
Kopich, Leonard F. 3,305,253.
Krautwurst, Homer V., and Crumb. 3,356,826.
Kroell, Charles K., and Siegrist. 3,339,674.
Kusch, Bernard J., Spridco, and Turner. 3,360,660.
La Flame, Frank E. 3,319,640.
La Flame, Frank E. 3,324,796.
La Flame, Frank E. 3,333,742.
La Flame, Frank E. 3,348,775.
Lander, Arthur V., Scott, and Beechey. 3,302,820.
Larsen, Hugh W. 3,296,887.
Larsen, Hugh W., and Talaski. 3,331,239.
Lash, Joseph F. 3,319,470.
Lautzenhiser, Argyle G., and Clark. 3,344,676.
Lawless, Norman D., Grooms, and Racine. 3,329,893.
Leach, Clayton B. 3,302,628.
Leonard, Thomas R. 3,354,988.
Leslie, Kenneth G., and Zeisloft. 3,353,620.
Levy, Irving M. 3,335,307.
Lewis, Edward F. 3,306,177.
Licata, Joseph P., and Tucker. 3,349,307.
Liem, Robert C. 3,323,829.
Lindgren, Milton F., and Peterson. 3,352,178.
Livezey, William G. 3,331,476.
Lohr, Thomas E., and Meland. 3,332,169.
Long, Donald A., Shaw, and Carlson. 3,348,011.
Long, George B. 3,304,401.
Long, George B. 3,329,795.
Long, George B. 3,346,472.
Long, Paul J., Jr. 3,332,677.
Luedemann, Clarence F. 3,319,707.
Lull, William R. 3,301,530.
Lystad, Leonard A. 3,354,582.
Lystad, Leonard A., and Roberts. 3,319,487.
MacDonald, Norman L. 3,322,470.
Maci, Raymond J., and Rowland. 3,333,483.
MacIver, Bernard A., and Bergstrom. 3,339,272.
MacKenzie, Robert P., and Worrell. 3,314,060.
Mackie, Harry A. 3,357,511.
Mackie, Harry A., and Veryzer. 3,321,038.
Malik, Marvin J. 3,296,808.
Maltby, Raymond W. 3,344,667.
Mann, Leonard J., and Hanson. 3,316,729.
Manoni, Arthur P. 3,316,431.
Mao, Tzu J. 3,331,761.
Mao, Tzu J. 3,352,772.
Mao, Tzu J. 3,359,129.
Martin, John C., and Alexander. 3,327,094.
Mason, George W. 3,301,316.
Massoll, Richard E. 3,331,034.
Mathues, Thomas O., and Kniffin. 3,320,759.
Mattarella, Samuel P. 3,345,532.
Maursey, Ethan K. 3,302,430.
McCarthy, William E. 3,296,833.
McCormick, Hamilton L. 3,314,650.
McCreary, Charles H. 3,342,170.
McCreary, Charles H. 3,360,275.
McDougal, John A. 3,332,476.
McDowall, Charles J. 3,339,405.
McDowall, Charles J., and Peterson. 3,295,801.
McEwen, John C. 3,301,101.
McMaster, Wardley D. 3,309,321.
McQueen, Norman. 3,332,233.
Mekkes, Lee T. 3,336,062.
Melinat, Wolfgang. 3,308,620.
Mick, Stanley H. 3,314,663.
Mick, Stanley H. 3,342,462.
Mick, Stanley H. 3,342,464.
Miller, James L. 3,333,345.
Miller, Robert F., and Lund. 3,320,505.
Miller, Tom B. 3,338,455.
Mitchell, Boris J., Bielicki, and Roche. 3,320,940.
Mitchell, George E. 3,305,722.
Mitchell, George E. 3,331,362.
Mitchell, Harry R. 3,295,839.
Mondt, James R. 3,315,729.
Mooney, James J., Jr. 3,357,209.
Moorman, Cletus L. 3,330,439.
Moorman, Earl J., and Moody. 3,354,583.
Murphy, Joseph E. 3,303,386.
Myers, John L. 3,324,372.
Naddell, Manuel. 3,312,302.
Naddell, Manuel. 3,342,475.
Nakolan, Andrew P. 3,300,248.
Nakolan, Andrew P. 3,306,552.
Nelson, Max V. 3,316,371.
Nelson, Robert E. 3,344,320.
Nesbitt, William R. 3,334,854.
Newill, Edward J., Beaty, English, and Heiny. 3,299,303.
Newman, Ralph P. 3,300,726.

General Motors Corp.: *See*—Continued
Nichols, Charles A., Joyce, Gardner, and Fletcher. 3,300,821.
Nickles, Lawrence H. 3,295,826.
Noll, James L. 3,334,853.
Nordsieck, Arnold T. 3,313,161.
North, Reginald H., Stafford, and Zimmerman. 3,332,518.
O'Connell, John J., and Mann. 3,309,892.
Olsen, Howard E., and Petry. 3,324,738.
Osborn, Don R., Jr. 3,296,898.
Packett, Marvin A., and Romanzi. 3,301,610.
Palkowsky, Glenn L. 3,334,617.
Pansing, Nelson J. 3,316,380.
Parker, George W., and Brennan. 3,344,388.
Parker, Leland C. 3,360,003.
Parr, Max O. 3,357,708.
Parsons, Peter P. 3,354,584.
Partlow, James A., Mewhinney, and Hoefling. 3,320,662.
Partlow, James A., Mewhinney, and Hoefling. 3,344,514.
Peeples, Denny L., and Kellogg. 3,343,564.
Percival, Worth H. 3,353,349.
Perna, Frank, Jr. 3,330,153.
Perry, Jack H., and Colling. 3,332,406.
Peters, Donald R. 3,339,401.
Peters, Theodore F. 3,312,314.
Peters, Theodore F. 3,312,491.
Peterson, Donald W. 3,333,241.
Peterson, Victor W. 3,295,646.
Peterson, Victor W. 3,300,004.
Petkwitz, Carl F., and Wurtz. 3,331,648.
Pietryka, Robert J. 3,303,063.
Pigeon, Dale W., and Upchurch. 3,353,868.
Pittsley, William D. 3,355,863.
Pittsley, William D. 3,359,960.
Plume, Robert W. 3,338,346.
Podwys, Stanley. 3,312,499.
Polhemus, Von D., Boettger, Isaacson, and Yew. 3,345,060.
Polhemus, Von D., Loomis, Klees, and Plume. 3,331,599.
Polhemus, Von D., and Yew. 3,321,200.
Pollak, Walter. 3,330,593.
Pollak, Walter, and McLean. 3,348,876.
Pollock, Samuel C. 3,357,338.
Powder, Paul F. 3,308,954.
Preotle, John J., and Payne. 3,347,728.
Priddy, Jack N. 3,355,801.
Prueter, Donald A. 3,327,551.
Qualman, Jack W., and Egbert. 3,300,971.
Quatredeniers, Claude. 3,319,024.
Quinn, Clark E. 3,339,676.
Quinting, Rudi F. 3,347,488.
Rademacher, Gustav F. 3,344,304.
Radloff, Carl R., and Sarafian. 3,305,652.
Rains, Sidney A., and Fisher. 3,330,170.
Rath, Gerald A. 3,299,342.
Rath, Gerald A., Templin, and Clayton. 3,319,733.
Raver, Louis J. 3,324,383.
Reddy, Virgin C. 3,335,710.
Reinke, James J., Rohde, and Thompson. 3,327,340.
Reinsch, Earl W., and McKee. 3,323,952.
Renger, Udo. 3,358,659.
Renneker, Dennis N. 3,347,592.
Reuther, Albert H. 3,333,530.
Reuther, Albert H. 3,333,531.
Reynolds, Richard L. 3,313,523.
Rice, Hal H., and Garey. 3,301,781.
Ridenour, Jack B. 3,353,636.
Riehl, Wilhelm. 3,331,601.
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Gilbert, James R., to Walker Mfg. Co. Retroverted flow muffler with longitudinal partitions. 3,353,628, 11–12–67, Cl. 181—53.

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Gilch, Heinrich G., to Union Carbide Corp. Poly(*a*,*a*,*a*′,*a*′-tetrachloro-p-xylene) films. 3,349,045, 10–24–67, Cl. 260—2.

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Gilchrist, Ralph E., E. M. Craighead, and D. O. Hitzman, to Phillips Petroleum Co. Method of oil recovery with a hot driving fluid. 3,357,487, 12–12–67, Cl. 166—11.
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Gilchrist, Reginald S., to The Klinger Mfg. Co., Ltd. Apparatus for false twisting yarn. 3,345,811, 10–10–67, Cl. 57—77.45.
Gilchrist, Reginald S., to The Klinger Mfg. Co. Ltd. Apparatus relating to false twisting. 3,350,869, 11–7–67, Cl. 57—77.3.
Gilchrist, Reginald S., and D. A. E. Mattingly, to The Klinger Mfg. Co. Ltd. Methods and apparatus for crimping yarns. 3,355,872, 12–5–67, Cl. 57—157.
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Giles, Walter B., to General Electric Co. Method and apparatus for drag reduction. 3,303,811, 2–14–67, Cl. 114—67.
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Wood, Willis A., and Gilford. 3,344,702.
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Gillham, Helen C., and H. G. Klein, to American Cyanamid Co. Flame-retardant compositions containing organo-phosphonic acids. 3,345,432, 10–3–67, Cl. 260—887.

Gilliam, Clarence W., R. D. Smith, J. E. Wildridge, and R. W. Szypulski, to United States of America, Navy. Flare gun having quick disconnect coupling. 3,315,397, 4–25–67, Cl. 42—1.

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Glashaw, William F., and N. J. Wasileski, to General Electric Co. Switchboard with separate line and load mounting blocks. 3,308,348, 3–7–67, Cl. 317—119.
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Glass Bulbs Ltd.: *See*—
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Glass, Emmett F., to Sperry Rand Corp. Hay harvester. 3,300,953, 1–31–67, Cl. 56—23.
Glass, Emmett F., J. K. Hale, and R. P. Bernhardt, to Sperry Rand Corp. Hay harvesting machine. 3,309,850, 3–21–67, Cl. 56—1.
Glass, Emmett F., and J. K. Hale, to Sperry Rand Corp. Hay harvesting machine. 3,325,981, 6–20–67, Cl. 56—23.
Glass, Emmett F., and J. K. Hale, to Sperry Rand Corp. Wheel mounting. 3,326,614, 6–20–67, Cl. 308—189.
Glass, Floyd M., to United States of America, Atomic Energy Commission. Neutron monitor and burst detector. 3,303,-343, 2–7–67, Cl. 250—83.1.
Glass, Kenneth E., to Allis-Chalmers Mfg. Co. Vortex pump. 3,322,070, 5–30–67, Cl. 103—103.
Glass, Kenneth E., to Allis-Chalmers Mfg. Co. Rotary pump. 3,339,490, 9–5–67, Cl. 103—103.
Glass Machinery Inc.: *See*—
Kinsley, Charles W. 3,329,492.
Glass, Marvin, & Associates: *See*—
Glass, Marvin I., Ayala, and Barlow. 3,299,762.
Glass, Marvin I., Ayala, and Barlow. 3,299,763.
Glass, Marvin I., and Barlow. 3,298,692.
Glass, Marvin I., Barlow, Kripak, and Stan. 3,295,848.
Glass, Marvin I., Barlow, and Stan. 3,304,650.
Glass, Marvin I., Disko, and McFarland. 3,352,054.
Glass, Marvin I., Disko, and Stan. 3,300,894.
Glass, Marvin I., Janiszewski, and Furuta. 3,347,548.
Glass, Marvin I., Janiszewski, and Verbickas. 3,300,891.
Glass, Marvin I., and Kripak. 3,339,536.
Glass, Marvin I., Larson, and Licitis. 3,318,600.
Glass, Marvin I., Licitis, and Spinello. 3,333,846.
Glass, Marvin I., and Meyer. 3,354,577.
Glass, Marvin I., Meyer, and McFarland. 3,313,044.
Glass, Marvin I., and Stan. 3,305,236.
Glass, Marvin I., and Stan. 3,333,853.
Glass, Marvin, & Associates: *See*—Continued
Glass, Marvin I., Stan, Ancevicius, and Furuta. 3,339,-921.
Glass, Marvin I., Stan, and Licitis. 3,334,903.
McFarland, Norman T., and Kripak. 3,306,192.
Glass, Marvin I., G. A. Barlow, L. Kripak, and H. Stan, to Marvin Glass & Associates. Mechanically actuated game for opposing players. 3,295,848, 1–3–67, Cl. 273—1.
Glass, Marvin I., and G. A. Barlow, to Marvin Glass & Associates. Game with action producing components. 3,298,-692, 1–17–67, Cl. 273—134.
Glass, Marvin I., C. Ayala, and G. A. Barlow, to Marvin Glass & Associates. Music box. 3,299,762, 1–24–67, Cl. 84—95.
Glass, Marvin I., C. Ayala, and G. A. Barlow, to Marvin Glass & Associates. Music box. 3,299,763, 1–24–67, Cl. 84—95.
Glass, Marvin I., A. T. Janiszewski, and D. E. Verbickas, to Marvin Glass & Associates. Construction toy amusement device. 3,300,891, 1–31–67, Cl. 46—17.
Glass, Marvin I., H. Disko, and H. Stan, to Marvin Glass & Associates. Self-propelled toy boat. 3,300,894, 1–31–67, Cl. 46—244.
Glass, Marvin I., G. A. Barlow, and H. Stan, to Marvin Glass & Associates. Toy bomb. 3,304,650, 2–21–67, Cl. 46—177.
Glass, Marvin I., and H. Stan, to Marvin Glass & Associates. Game with missile throwing devices and gameboard dividing wall. 3,305,236, 2–21–67, Cl. 273—95.
Glass, Marvin I., B. C. Meyer, and N. T. McFarland, to Marvin Glass & Associates. Design kit. 3,313,044, 4–11–67, Cl. 35—56.
Glass, Marvin I., E. S. Larson, Jr., and G. Licitis, to Marvin Glass & Associates. Spinning top game. 3,318,600, 5–9–67, Cl. 273—115.
Glass, Marvin I., G. Licitis, and J. O. Spinello, to Marvin Glass & Associates. Game utilizing electric probe. 3,333,-846, 8–1–67, Cl. 273—1.
Glass, Marvin I., and H. Stan, to Marvin Glass & Associates. Card game with random selecting device. 3,333,853, 8–1–67, Cl. 273—135.
Glass, Marvin I., H. Stan, and G. Licitis, to Marvin Glass & Associates. Game apparatus comprising a device for distinguishing between differently shaped cards. 3,334,903, 8–8–67, Cl. 273—134.
Glass, Marvin I., and L. Kripak, to Marvin Glass & Associates. Toy cannon with separable front and rear barrel sections. 3,339,536, 9–5–67, Cl. 124—29.
Glass, Marvin I., H. Stan, D. E. Ancevicius, and M. W. Furuta, to Marvin Glass & Associates. Reaction game. 3,339,921, 9–5–67, Cl. 273—1.
Glass, Marvin I., A. T. Janiszewski, and M. W. Furuta, to Marvin Glass & Associates. Game apparatus. 3,347,548, 10–17–67, Cl. 273—1.
Glass, Marvin I., H. Disko, and N. T. McFarland, to Marvin Glass & Associates. 3,352,054, 11–14–67, Cl. 46—17.
Glass, Marvin I., and B. C. Meyer, to Marvin Glass & Associates. Motor operated simulated soldier and gun toy. 3,354,-577, 11–28–67, Cl. 46—118.
Glass, Russell G., to Macomber, Inc. Automatic tilt table. 3,325,020, 6–13–67, Cl. 214—1.
Glass, Sidney. Two-piece stopper. 3,326,403, 6–20–67, Cl. 220—24.5.
Glass, Thomas M.: *See*—
Ritchie, David S., and Glass. 3,323,414.
Glass, William B.: *See*—
Langridge, Arthur, Glass, Grimwood, and Hegarty. 3,354,-003.
Glass, William H.: *See*—
Bridigum, Robert J., and Glass. 3,314,593.
Glasser, Ernest C., to Sun-Pak Products, Inc. Flameless heater, heating assembly and heating kit. 3,301,250, 1–31–67, Cl. 126—263.
Glasser, James R., to Motorola, Inc. Band limited frequency modulation system. 3,320,552, 5–16–67, Cl. 332—23.
Glasser, James R., to Motorola, Inc. Electronic circuit. 3,336,-533, 8–15–67, Cl. 330—51.
Glasser, Leo G., R. J. Kanzler, and D. J. Troy, to E. I. du Pont de Nemours and Co. Method and apparatus for photometric analysis. 3,306,156, 2–28–67, Cl. 88—14.
Glassey, Eugene A., to Exactel Instrument Co. Blender for slurries and mixtures. 3,308,991, 3–14–67, Cl. 222—57.
Glassey, Eugene A., to Exactel Instrument Co. U-tube servoed manometer. 3,323,368, 6–6–67, Cl. 73—401.
Glassey, Eugene A., to Exactel Instrument Co. Barometer construction. 3,349,622, 10–31–67, Cl. 73—385.
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Kuehl, Donald K., and Glassman. 3,328,805.
Glassman, Irving, to Burroughs Corp. Nonlinear analog to digital converter. 3,349,390, 10–24–67, Cl. 340—347.
Glassman, Jacob A. Sanitary napkin. 3,343,543, 9–26–67, Cl. 128—290.
Glassman, Joel, G. F. Jonas, A. L. Bass, Jr., and S. H. Pate, to Genesco, Inc. Wrapped sole shoe. 3,354,487, 11–28–67, Cl. 12—142.
Glassman, Martin W. Staff-type base support. 3,302,909, 2–7–67, Cl. 248—44.
Glasson, Cecil W., to Hooker Chemical Corp. Lubricating composition and method. 3,313,729, 4–11–67, Cl. 252—18.

Glasson, Cecil W., E. W. Goodspeed, and F. W. C. Jones, to Hooker Chemical Corp. Lubricating composition. 3,313,728, 4–11–67, Cl. 252—18.
Glasson, Jerry M., and W. B. McClelland, to Teletype Corp. Synchronization circuit for signal generators using comparison of a specific data message. 3,308,434, 3–7–67, Cl. 340—167.
Glass-Tite Industries, Inc.: *See*—
Cropp, David I., Jordan, and Lingo. 3,321,606.
Henderson, Harold P. 3,334,772.
Shumaker, Wendell D., Lybarger, and Jordan. 3,316,382.
Glastra, Hendrik, to N.V. Maatschappy Voor Industriële Research en Ontwikkeling. Apparatus for cutting sheet material. 3,350,970, 11–7–67, Cl. 83—201.07.
Glatfelter, Edward W.: *See*—
Burkam, John E., and Glatfelter. 3,298,443.
Glatfelter, P. H., Co.: *See*—
Bauman, Harry D. 3,337,359.
Glatt, Gerald: *See*—
Brooks, Alvin, Glatt, Lehrer, and Silverman. 3,322,941.
Glatt, Werner, and H. Wiedmann; said Wiedmann assor. to said Werner. Quick drier for drying molten and pasty masses and for the production of powders and granulates in a hot or warm air stream. 3,315,371, 4–25–67, Cl. 34—82.
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Ward, Irving A., and Bletcher. 3,336,935.
Glaude, Leopold F. Milling machine attachment. 3,306,169, 2–28–67, Cl. 90—17
Glaus, Bernhard, to Ulrich Steinmann, A.G., Ltd. Coating apparatus with tilting conveyor. 3,345,973, 10–10–67, Cl. 118—324.
Glaus, Virginia L. Fowl stand. 3,308,864, 3–14–67, Cl. 146—216.
Glauser, James E.: *See*—
Wrighton, Robert J., and Glauser. 3,316,775.
Glauser, James E., and W. S. Wright, Jr., to Pacific Scientific Co. Safety harness device. 3,335,974, 8–15–67, Cl. 242—107.4.
Glavan, Frank J. Storage container. 3,337,028, 8–22–67, Cl. 206—1.
Glaverbel: *See*—
Brichard, Edgard. 3,321,092.
Brichard, Edgard, Lambert, and Malicheff. 3,316,078.
Brichard, Edgard, Plumat, and Duperroy. 3,350,187.
Broman, Arthur, and Bats. 3,351,448.
De Keersmaecker, Jean. 3,313,611.
Gallez, Pierre. 3,313,920.
Javaux, Gustave. 3,309,189.
Javaux, Gustave. 3,323,890.
Javaux, Gustave. 3,326,651.
Javaux, Gustave. 3,331,672.
Javaux, Gustave. 3,353,944.
Javaux, Gustave. 3,355,276.
Loutte, Jean. 3,353,943.
Plumat, Emile. 3,295,945.
Plumat, Emile. 3,305,339.
Plumat, Emile. 3,316,077.
Plumat, Emile. 3,326,652.
Plumat, Emile. 3,326,654.
Plumat, Emile. 3,348,937.
Plumat, Emile, and Jaupain. 3,300,323.
Glavis, Frank J., W. J. Keighley, and T. H. Haag, to Rohm & Haas Co. Aqueous polymeric blends containing ureido monomer. 3,300,429, 1–24–67, Cl. 260—29.6.
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Glaxo Group Ltd.: *See*—
Ball, Stanley. 3,311,538.
Barton, Derek H. R., Hems, Walker, Ritchie, Meredith, Holton, Clark, and Webb. 3,301,858.
Glaxo Laboratories Ltd.: *See*—
Chapman, John H., and Maurice. 3,346,418.
Elks, Joseph, May, and Weir. 3,312,590.
Elks, Joseph, May, and Weir. 3,312,591.
Lees, Kenneth A. 3,330,727.
Napier, Eunice J. 3,330,738.
Glaza, Gordon K.: *See*—
Braeuninger, Karl F., and Glaza. 3,319,543.
Glaze, John W., Jr., to Autoboard Corp. Conveying mechanism for a stocking boarding apparatus. 3,312,332, 4–4–67, Cl. 198—181.
Glaze, John W., Jr., to Autoboard Corp. Hosiery form. 3,343,732, 9–26–67, Cl. 223—75.
Glazier, Walter H., and G. W. Smith, to Esso Production Research Co. System for processing seismic signals. 3,327,805, 6–27–67, Cl. 181—.5.
Glazkov, Petr G.: *See*—
Andonjev, Sergei M., Glazkov, Kuchin, Makarov, Pevny, Pochtman, Tesner, and Filipjev. 3,345,054.
Glazner, Neal W., Jr.: *See*—
Paramore, Edwin L., Glazner, and Koch. 3,312,296.
Gleasman, Hollis K., to The Bendix Corp. Two speed hub gearing for velocipedes. 3,354,750, 11–28–67, Cl. 74—750.
Gleason, Anthony H.: *See*—
Noshay, Allen, and Gleason. 3,317,479.
Gleason, C Roy, and G. H. Slack, to Hexionic Acid Corp. Sorbitol and mannitol esters of phosphoric acid and salts thereof. 3,328,492, 6–27–67, Cl. 260—924.
Gleason Corp.: *See*—
Bertsche, Joseph V. 3,355,341.
Morris, Elliott C. 3,315,281.
Morris, Elliott C. 3,321,780.
Gleason, Gale R., Jr., and F. J. Ohlmacher, to Central Michigan University Board of Trustees. Method and apparatus for obtaining soil samples. 3,318,394, 5–9–67, Cl. 175—5.
Gleason, Thomas M., and L. G. Peck, to The Boeing Co. Hydraulic actuator. 3,295,420, 1–3–67, Cl. 91—216.
Gleason, William J., Jr., and C. W. Zies, to International Basic Economy Corp. Steam trap. 3,347,257, 10–17–67, Cl. 137—183.
Gleason Works, The: *See*—
Ash, John L., II. 3,321,981.
Beman, Earl R. 3,301,097.
Buchanan, William G., and Howing. 3,354,782.
Fortner, Joseph B., and Oliver. 3,315,541.
Fowler, Norman W. 3,354,783.
Fowler, Norman W., and Sharp. 3,323,630.
Pedersen, Harry. 3,321,840.
Ryan, Arthur B. 3,354,525.
Gleckler, George C.: *See*—
Sedlak, John A., and Gleckler. 3,342,855.
Gleeson, John D., Jr., and M. L. Miller, to Deere & Co. Tractor construction. 3,357,508, 12–12–67, Cl. 180—6.2.
Glegg, Keith C. M., to Canadian Marconi Co. Terrain clearance measuring system and method. 3,339,198, 8–29–67, Cl. 343—14.
Gleim, William K. T., to Universal Oil Products Co. Hydrorefining of petroleum crude oil and catalyst therefor. 3,297,589, 1–10–67, Cl. 252—439.
Gleim, William K. T., to Universal Oil Products Co. Noncatalytic crude oil hydrorefining process. 3,303,126, 2–7–67, Cl. 208—251.
Gleim, William K. T., to Universal Oil Products Co. Hydrorefining of petroleum crude oil with diimino molybdenum chloride and certain complexes thereof. 3,336,219, 8–15–67, Cl. 208—264.
Gleim, William K. T., and J. G. Gatsis, to University Oil Products Co. Hydrorefining of petroleum crude oil. 3,317,421, 5–2–67, Cl. 208—264.
Gleisner, William C., Jr., to Kearney & Trecker Corp. Machine tool with tool changer. 3,298,098, 1–17–67, Cl. 29—568.
Glen, James: *See*—
Hill, Edward S., Keep, and Glen. 3,314,059.
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Heilwell, Jerome P., and Schweizer. 3,353,301.
Glendenning, Don M., to The Locke Steel Chain Co. Chain. 3,325,991, 6–20–67, Cl. 59—35.
Glendinning Bros. Ltd.: *See*—
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Glendinning, Edward, to Glendinning Bros. Ltd. Woven fabrics. 3,339,592, 9–5–67, Cl. 139—421.
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Semen, Frederick P., Glenn, and Gossev. 3,330,284.
Glenn Electric Heater Corp.: *See*—
Finn, John J. 3,337,715.
Glenn, Helen G. Musical notation. 3,331,271, 7–18–67, Cl. 84—478.
Glenn, John H., and G. M. Brown, to Brown Mud Co. Soil treatment compositions comprising polymer salt, petroleum oil and carboxylic acid salt. 3,298,982, 1–17–67, Cl. 260—23.
Glenn Pacific: *See*—
Gibson, William W. 3,316,381.
Glenn, Richard E., and E. G. Hood, to Martin-Marietta Corp. Method of joining bodies of polytetrafluoroethylene. 3,356,551, 12–5–67, Cl. 156—49.
Glenn, Robert A.: *See*—
Shigley, Russell L., and Glenn. 3,346,369.
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Glenn, William E., Jr., to General Electric Co. Electron beam focusing and deflection electrode system. 3,320,468, 5–16–67, Cl. 315—14.
Glenn, William E., Jr., to General Electric Co. Reliability information storage and readout utilizing a plurality of optical storage medium locations. 3,325,789, 6–13–67, Cl. 340—173.
Glenn, William E., Jr., to General Electric Co. Wide band optical recording and narrow band reproduction on a thermoplastic medium. 3,335,413, 8–8–67, Cl. 340—173.
Glenn, William E., Jr., to General Electric Co. Electron gun having a segmented control electrode. 3,358,174, 12–12–67, Cl. 313—83.
Glenner, Edward J.: *See*—
Murphy, Robert J., Spellnes, Miller, Bonanno, Glenner, and Sikorski. 3,328,534.
Glens Engineering Works (Proprietary) Ltd.: *See*—
Dove, Frederick W. 3,306,572.
Glentworth, John D.: *See*—
Barford, John C., Dias, and Glentworth. 3,323,933.
Glew, David N., and H. W. Quinn, to The Dow Chemical Co. Removal of acetylenes from gaseous streams with silver zeolites. 3,331,190, 7–18–67, Cl. 55—63.
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Glickman, Mannes N. Miniature circuit housing. 3,320,351, 5–16–67, Cl. 174—50.5.
Glickman, Samuel A., to General Aniline & Film Corp. 3,5, X polyalkoxy α,ω, diols. 3,359,330, 12–19–67, Cl. 260—615.
Glidden, Arthur R. Hidden receptacle ashtray. 3,319,633, 5–16–67, Cl. 131—235.

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Cohen, Howard J. 3,334,119.
Cohodas, Alvin M. 3,314,802.
Derfer, John M. 3,359,342.
Derfer, John M. 3,360,581.
Gibbons, Ambrose J., Jr. 3,307,973.
Harwood, James. 3,312,724.
Kane, Bernard J. 3,346,650.
Kane, Bernard J. 3,354,225.
McAvoy, Bernard C. 3,346,525.
Michael, Arthur B. 3,307,924.
Moncrieff, James, Cochran, Ellinger, and Miller. 3,346,-387.
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Pratt, Ivor, and Turpin. 3,312,654.
Shafer, William M., and Yurasko. 3,353,951.

Glidden, Robert L., to Kewanee Machinery & Conveyor Co. Means for axially adjusting a conical roller. 3,339,854, 9–5–67, Cl. 241—230.

Glikin, Paul E., to C.A.V., Ltd. Liquid fuel pumps for use with internal combustion engines. 3,319,616, 5–16–67, Cl. 123—139.

Glikin, Paul E., to C.A.V. Ltd. Liquid fuel pumping apparatus. 3,356,031, 12–5–67, Cl. 103—2.

Glindmeyer, Friedrich. Slide fastener. 3,337,928, 8–29–67, Cl. 24—205.1.

Glindmeyer, Friedrich, to William Prym-Werke K.G. Sliding clasp fastener. 3,359,604, 12–26–67, Cl. 24—205.1.

Glinski, John W., to Sylvania Electric Products Inc. Method of permanently recording on a magnetizable medium by abrading. 3,309,709, 3–14–67, Cl. 346—1.

Glintz, Georgia E. Cushion hair dryer with air diverter. 3,358,-382, 12–19–67, Cl. 34—99.

Glisson, Clyde E., and H. King, to Garan Inc. Garment hanger. 3,315,854, 4–25–67, Cl. 223—94.

Glista, Edward M., to United States Aircraft Corp. Electronic fuel control system for gas turbine engines. 3,320,-741, 5–23–67, Cl. 60—39.28.

Glitsch, Fritz W., & Sons, Inc.: *See*—
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Winn, Francis W., and Glitsch. 3,343,821.

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Crooke, Robert C., and Knorr. 3,336,003.
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Globe Industries, Ltd.: *See*—
Anderson, Roy H., and Lemery. 3,346,025.
Hart, Edward E. 3,316,428.

Globe Linings, Inc.: *See* –
Dial, Howard S., Habegger, and Kays. 3,313,443.

Globe-Union Inc.: *See*—
Anderson, Kenneth A. 3,343,691.
Anderson, Walter E., Hennen, and Redmon. 3,298,454.
Arst, Margreth C. 3,359,077.
Burant, Leonard J., and Jones. 3,352,717.
Burant, Leonard J., Jones, and Wolter. 3,306,775.
Dilger, Le Roy. 3,353,124.
Garstang, William W. 3,320,557.
Halsall, Vincent M. 3,360,403.
Hansen, Arne C., Colburn, and Uebelherr. 3,322,995.
Hennen, Roy E. 3,329,531.
Khouri, Alfred S. 3,351,500.
Lowe, Paul V. 3,349,322.
Noddin, Ray C. 3,300,702.
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Stephan, Kurt, Tronca, and Piotrowski. 3,308,248.
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Globus, Alfred R., to Guardian Chemical Corp. Chelating agents and methods for their manufacture. 3,328,304, 6–27–67, Cl. 252—80.

Glocker, Paul L. Gearing and process and apparatus for manufacturing the same. 3,345,883, 10–10–67, Cl. 74—462.

Glogowski, Stefan W., to Diamond International Corp. Wrapping attachment for package production. 3,357,156, 12–12–67, Cl. 53—378.

Glo-Mark Products Co., Inc.: *See*—
Urish, Frank. 3,331,135.

Glomb, Frank A., and V. Wasynczuk, to Barnes & Reinecke, Inc. Wheel drive mechanism. 3,344,879, 10–3–67, Cl. 180—55.

Glomb, Walter L., W. Janeff, and E. Imboldi, to National Aeronautics and Space Administration. Tracking receiver. 3,340,532, 9–5–67, Cl. 343—113.

Gloor, Byron T., to Atlas Kassenfabrik A.G. Door-operating apparatus. 3,349,559, 10–31–67, Cl. 60—62.5.

Gloor, Emil A. Tool for removing a rocker stud and for substituting a new one. 3,330,024, 7–11–67, Cl. 29—271.

Gloor, Urs, R. N. Goel, A. Langemann, and R. Ruegg, to Hoffmann-La Roche Inc. Preparation of hydroquinone derivatives. 3,349,113, 10–24–67, Cl. 260—476.

Gloor, Urs, R. Ruegg, and U. Schwieter, to Hoffmann-La Roche Inc. Chromans. 3,354,181, 11–21–67, Cl. 260—345.5.

Gloor, Wilbur T., to The Warner & Swasey Co. Testing machine having grip mechanism. 3,323,357, 6–6–67, Cl. 73—103.

Gloor, Wilbur T., to The Warner & Swasey Co. Tensile, compression, and flexure testing machine. 3,354,704, 11–28–67, Cl. 73—93.

Glorig, Aram. Ear protector. 3,301,253, 1–31–67, Cl. 128—152.

Glorioso, Antimo M. Toilet tank float ball. 3,303,516, 2–14–67, Cl. 4—56.

Glorioso, Paul A., to Gregory Industries, Inc. Condenser discharge stud welding apparatus. 3,319,039, 5–9–67, Cl. 219—98.

Glorioso, Paul A., to Gregory Industries, Inc. Safety circuit for drawn-arc, stud welding apparatus. 3,355,570, 11–28–67, Cl. 219—98.

Glos, Edmond A., II, to Mero & Co., Inc. Drum filter element attaching means. 3,353,675, 11–21–67, Cl. 210—238.

Gloskey, Carl R., to M & T Chemicals, Inc. Dialkyl tin bis (cyclohexyl maleate) compounds. 3,296,289, 1–3–67, Cl. 260—429.7.

Gloskey, Carl R., to M & T Chemicals Inc. Preparation of organotin-trihalides. 3,340,283, 9–5–67, Cl. 260—429.7.

Gloster Saro Ltd.: *See* –
Weston, Edward C., and Palfrey. 3,360,000.

Glötzl, Franz. Apparatus for measuring mechanical stresses and hydraulic pressures. 3,355,936, 12–5–67, Cl. 73—88.5.

Gloucester Engineering Co., Inc.: *See*—
Schott, Charles M., Jr. 3,298,624.
Schott, Charles M., Jr. 3,320,843.
Schott, Charles M., Jr. 3,322,604.

Glover, Charles: *See*—
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Glover, Edward B., to Radiation Inc. Signal redundancy utilizing slope limiting lines. 3,311,909, 3–28–67, Cl. 340—345.

Glover, Sheldon W., to Pacific-Western Materials, Inc. Descent control mechanism. 3,340,964, 9–12–67, Cl. 188—65.4.

Glover, Sidney T., to Imperial Chemical Industries Ltd. Electrolytic cell having vertically disposed electrodes. 3,354,-072, 11–21–67, Cl. 204—219.

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Goffe, William L., to Xerox Corp. Frost thermography. 3,338,710, 8–29–67, Cl. 96—1.1.
Goffe, William L., to Xerox Corp. Method of image reproduction by photopolymerization and blushing. 3,350,205, 10–31–67, Cl. 96—35.1.
Goffinet, Bernard: *See*—
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Gogan, Robert M., and G. T. Joly. Structure for leaching fields. 3,339,366, 9–5–67, Cl. 61—13.
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Gogarty, William B., and R. W. Olson, to Marathon Oil Co. Petroleum recovery materials and process. 3,301,325, 1–31–67, Cl. 166—9.
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Gogerty, Henry L. Means for guiding movable wall panels. 3,343,205, 9–26–67, Cl. 16—106.
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Gohlke, Wilhelm, and P. Geiling, to Alfred Teves Maschinen- und Armaturenfabrik, K.G. Hydraulic control system. 3,326,087, 6–20–67, Cl. 91—275.
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Goings, Harford E. Car seat tray. 3,326,446, 6–20–67, Cl. 229—28.
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Goland, Marc B. and L. B. Highway directional device. 3,322,093, 5–30–67, Cl. 116—63.
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Golata, John H., and R. J. Wilcox, to Motor Wheel Corp. Dual track brake. 3,338,342, 8–29–67, Cl. 188—78.
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Golay, Marcel J. E. Pneumatic water pump. 3,357,365, 12–12–67, Cl. 103—256.
Golben, Michael, and G. A. Mueller, to Union Carbide Corp. Method for preparing negative electrodes. 3,320,139, 5–16–67, Cl. 204—35.
Golben, Michael, and J. W. Pearson, to Minnesota Mining and Mfg. Co. Metal cleaning. 3,330,769, 7–11–67, Cl. 252—136.
Gold, Abe. Scooter. 3,309,104, 3–14–67, Cl. 280—87.04.
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Gold, Charles M. and E. Cooper, to Yardney International Corp. Pressure switch and apparatus incorporating same. 3,300,703, 1–24–67, Cl. 320—46.
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Gold, Harold and S. Drain device. 3,330,417, 7–11–67, Cl. 210—163.
Gold, Howard M. Vehicle battery power protection system including light switching means. 3,348,095, 10–17–67, Cl. 315—80.
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Gold, Marvin H., and H. J. Marcus, to Aerojet-General Corp. Polynitro halo compounds useful as antibiotics, fungicides and explosives. 3,359,334, 12–19–67, Cl. 260—633.
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Goldbaum, Elliott, to Lehigh Valley Industries, Inc. Marker lamp adapted for mounting on an automotive vehicle, and connection into an electrical circuit, without the use of tools. 3,321,731, 5–23–67, Cl. 339—21.
Goldbaum, Elliott, V. Koljonen, and J. A. Feier, to Lehigh Valley Industries, Inc. Automotive vehicle lamp with snap-in lens. 3,321,618, 5–23–67, Cl. 240—8.2.
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Goldberg, Albert I., and V. Jasinski, to National Starch and Chemical Corp. N-methylol acrylamide-vinyl acetate copolymer emulsions containing polyvinyl alcohol. 3,301,809, 1–31–67, Cl. 260—29.6.
Goldberg, Albert I., J. Fertig, and M. Skoultchi, to National Starch and Chemical Corp. Ethylenically unsaturated derivatives of 2-hydroxy-4-methoxybenzophenone and polymers thereof. 3,317,462, 5–2–67, Cl. 260—47.
Goldberg, Albert I., and J. Fertig, to National Starch and Chemical Corp. Aromatic and aliphatic esters of hydroxy benzophenone derivatives. 3,322,817, 5–30–67, Cl. 260—475.
Goldberg, Albert I., M. Skoultchi, and J. Fertig, to National Starch and Chemical Corp. Polymers containing ethylenically unsaturated derivatives of ortho-hydroxy aromatics as reactive dye sites. 3,340,221, 9–5–67, Cl. 260—41.
Goldberg, Albert I., J. Fertig, and M. Skoultchi, to National Starch and Chemical Corp. Ethylenically unsaturated derivatives of 2,4-dihydroxybenzophenone. 3,341,493, 9–12–67, Cl. 260—47.
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Goldberg, Morris. 3,301,502.
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Goldberg, Eugene P., and F. Scardiglia, to Borg-Warner Corp. Thiocarbonate-carbonate copolymers. 3,359,238, 12–19–67, Cl. 260—47.
Goldberg, Gerald I., to United States of America, National Aeronautics and Space Administration. Reaction wheel scanner. 3,350,033, 10–31–67, Cl. 244—1.
Goldberg, Gershon M., and E. Hartouni, to Technical Operations, Inc. Sensitization of photographic media. 3,359,112, 12–19–67, Cl. 96—102.

Goldberg, Herbert, to American Optical Co. Apparatus for determining oxygen saturation of blood. 3,296,922, 1–10–67, Cl. 88—14.
Goldberg, Jacob, to Chu Lan Jen. Photoelectric vehicle identification system. 3,324,301, 6–6–67, Cl. 250—223.
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Goldberg, Morris, to Goldberg Bros., Inc. Automatic threading film reel. 3,301,502, 1–31–67, Cl. 242—74.
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Goldberg, Moses W., L. M. Jampolsky, and R. W. Kierstead, to Hoffmann-La Roche Inc. 7-methoxy-1,2,3,4,4a,9,10,10a-octahydraphenanthrene-2-acetyl - 1,2,3,4,4a,4b,5,6,10,10a - decahydraphenanthrene. 3,314,971, 4–18–67, Cl. 260—326.5.
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Goldfarb, Adolph E. Animated action toy. 3,358,998, 12–19–67, Cl. 273—95.
Goldfarb, Herman. Massaging garment with vibrators located in back and chest sections. 3,310,050, 3–21–67, Cl. 128—41.
Goldfarb, Herman. Bronchoscope having means for producing mechanical vibrations in the bronchial tract. 3,315,663, 4–25–67, Cl. 128—4.
Goldfisher, Lester I., to General Precision, Inc. Optical correlator. 3,296,920, 1–10–67, Cl. 88—1.
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Goldman, Rubin. Punch assembly. 3,299,761, 1–24–67, Cl. 83—639.
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Goldmark, Peter C., to Columbia Broadcasting Systems, Inc. Recording apparatus and medium with discrete level modulation. 3,354,264, 11–21–67, Cl. 178—5.4.
Goldmark, Peter C., and J. M. Hollywood, to Columbia Broadcasting System, Inc. Picture reproducing system having vertical synchronizing signal generation independent of horizontal scanning frequency. 3,333,058, 7–25–67, Cl. 178—7.2.
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Goldmeyer, Clifford, and T. J. Dull, to The J. R. Greeno Co. Helical wrapping mechanism for coil spring units. 3,316,944, 5–2–67, Cl. 140—92.3.
Goldmeyer, Clifford, and T. J. Dull, to The J. R. Greeno Co. Method of fabricating coil spring units. 3,348,583, 10–24–67, Cl. 140—92.4.
Goldreich, Paul, and F. T. Fetherston. Collapsible shipping-display unit. 3,314,549, 4–18–67, Cl. 211—132.
Goldryn, David, to Stratford Retreat House. Method of assembling an adjustment device for a trimmer capacitor. 3,332,139, 7–25–67, Cl. 29—436.
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Goldsmith, Harry, and R. F. Crawford, to United States Borax & Chemical Corp. Herbicidal 2-halobenzimidazoles. 3,317,304, 5–2–67, Cl. 71—2.5.

Goldsmith, Harry, and R. F. Crawford, to United States Borax & Chemical Corp. 2-Isopropyl-5-(6)-chlorobenzimidazole. 3,317,554, 5–2–67, Cl. 260—309.2.

Goldsmith, Harry, and R. F. Crawford, to United States Borax & Chemical Corp. 5(6)-trifluoromethylbenzimidazole compounds. 3,317,555, 5–2–67, Cl. 260—309.2.

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Goldsmith, Philip, to United Kingdom Atomic Energy Authority. Phosphoric acid-glycerine electrolyte for hygroscopic cell. 3,337,441, 8–22–67, Cl. 204—195.

Goldsmith, Sidney. Biopsy needle. 3,330,268, 7–11–67, Cl. 128—2.

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Goldstein, Alma W., to Abbott Laboratories. Antitumor agent M-6672 and method of preparation. 3,318,783, 5–9–67, Cl. 195—80.

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Goldstein, Arthur. Hand-drying apparatus. 3,305,938, 2–28–67, Cl. 34—44.

Goldstein, Carmi S., to Kinelogic Corp. Dynamic capacitor having a peripherally driven element and system incorporating the same. 3,356,917, 12–5–67, Cl. 317—245.

Goldstein, David, W. J. Buehler, and R. C. Wiley, to United States of America, Navy. Metallic composites. 3,352,650, 11–14–67, Cl. 29—191.

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Goldstein, Lynn E., and L. D. Cook, to Texel Industries, Inc. Permanent frame mop head with adjustable handle lock. 3,357,036, 12–12–67, Cl. 15—147.

Goldstein, Malcolm. Wall-coverings. 3,304,995, 2–21–67, Cl. 160—327.

Goldstein, Malcolm. Means for applying coverings to the walls and ceiling of a room. 3,315,428, 4–25–67, Cl. 52—278.

Goldstein, Milton. Apparatus to work simultaneously on a door and its frame jambs. 3,313,327, 4–11–67, Cl. 144—2.

Goldstein, Morton and R. I. Power operated cleaning device. 3,343,192, 9–26–67, Cl. 15—23.

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Grady, John J., to International Steel Slag Corp. Steel slag handling system. 3,316,075, 4–25–67, Cl. 65—19.

Grady, John J., to International Steel Slag Corp. Steel slag handling system. 3,316,079, 4–25–67, Cl. 65—141.

Grady, Robert J., to Beckman Instruments, Inc. Data processing system having external selection of multiple buffers. 3,297,996, 1–10–67, Cl. 340—172.5.

Grady, Robert J., and W. Klein, to Beckman Instruments, Inc. List control. 3,297,997, 1–10–67, Cl. 340—172.5.

Graeve, Egbert, to Bell Telephone Laboratories Inc. Phase-controlled oscillator having a bistable circuit in the control loop. 3,337,813, 8–22–67, Cl. 331—17.

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Graf, John A. Electrically illuminated animated toy. 3,358,401, 12–19–67, Cl. 46—228.
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Grafstein, Daniel, and J. Bobinski, to Thiokol Chemical Corp. Di-acid chlorides of bis-carboxy carbornyl alkyl ethers. 3,355,489, 11–28–67, Cl. 260—544.
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Graham, Erwin W., to The Pipe Machinery Co. Profile indicator and recorder. 3,319,341, 5–16–67, Cl. 33—174.
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Graham, James L., to Eastman Kodak Co. Multilayer color photographic element. 3,352,673, 11–14–67, Cl. 96—22.
Graham, James S., to The Singer Co. Sewing machine motor mounting system. 3,326,158, 6–20–67, Cl. 112—220.
Graham, James W., to E. I. du Pont de Nemours and Co. Compatible blends of polymerized conjugated diene. 3,326,824, 6–20–67, Cl. 260—5.
Graham, James W., and G. E. Sgourakes, to The Foxboro Co. Rotary thrust bearing. 3,311,433, 3–28–67, Cl. 208—230.
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Graham, Peter J., W. J. Linn, and W. J. Middleton, to E. I. du Pont de Nemours and Co. Sulfonium methylide compounds and polymeric compositions containing them. 3,300,313, 10–31–67, Cl. 252—63.7.
Graham, Phillip. Drafting machine. 3,328,883, 7–4–67, Cl. 33—18.
Graham, Phillip. Safe vehicle body. 3,356,175, 12–5–67, Cl. 180—93.
Graham, Richard H., and R. F. Fortune, to Canadian General Electric Co., Ltd. Dual fuel cycle for nuclear reactors. 3,336,201, 8–15–67, Cl. 176—30.
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Graham, William A. Plastic liner for oil filter. 3,344,925, 10–3–67, Cl. 210—312.
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Gram, Hans, to Brodrene Gram A/S. Apparatus for the production of frozen bodies. 3,296,822, 1–10–67, Cl. 62—341.
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Granqvist, Carl-Erik, to AGA Aktiebolag. Earth rotation compensating in inertia navigation. 3,304,788, 2–21–67, Cl. 74—5.4.
Granqvist, Carl-Erik, to AGA Aktiebolag. Stabilizing system for a gyroscope. 3,306,115, 2–28–67, Cl. 74—5.
Granqvist, Carl-Erik, to AGA Aktiebolag. Arrangement in spring loaded gyroscopes for inertia navigation. 3,307,411, 3–7–67, Cl. 74—5.
Granqvist, Carl-Erik, to AGA Aktiebolag. North-seeking gyro system. 3,307,412, 3–7–67, Cl. 74—5.6.
Granqvist, Carl-Erik, to AGA Aktiebolag. Gyro platform arrangement. 3,308,670, 3–14–67, Cl. 74—5.34.
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Granryd, Thorvald G., to International Harvester Co. Side dump tractor loader. 3,312,364, 4–4–67, Cl. 214—768.
Granryd, Thorvald G., to International Harvester Co. Four wheel drive articulated vehicle with means to transfer power between the wheels. 3,334,702, 8–8–67, Cl. 180—51.
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Grant, Arthur F., to Allied Machine & Engineering Corp. Speed reducer or increaser. 3,320,828, 5–23–67, Cl. 74—675.
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Grant, Charles H., to The Dow Chemical Co. Ammonium nitrate-alkali metal nitrate explosive containing aluminum of particular size distribution. 3,307,986, 3–7–67, Cl. 149—21.
Grant, Charles H. Aircraft wing with internal air passages for increased lift. 3,317,162, 5–2–67, Cl. 244—42.
Grant, David E., to Hercules Inc. Method for forming polypropylene film. 3,345,447, 10–3–67, Cl. 264—211.
Grant, Don S. Corn popping apparatus. 3,323,440, 6–6–67, Cl. 99—238.1.
Grant, Earl W., to Statham Instruments, Inc. Circuit for controlling the firing angle of a semiconductor A.C. current-controlling devices. 3,341,769, 9–12–67, Cl. 323—22.
Grant, James A., to Crane Packing Co. Lip seal with supporting lip. 3,360,274, 12–26–67, Cl. 277—58.
Grant, James H., and J. V. Jester, deceased by A. G. Jester, executrix. Traffic control device. 3,319,222, 5–9–67, Cl. 340—38.
Grant, James N., E. A. Honold, F. R. Andrews, R. S. Brown, and C. L. Shepard, to United States of America, Agriculture. Card assembly sampler. 3,345,878, 10–10–67, Cl. 73—421.
Grant, John C., to Byron Jackson Inc. System for spraying drill pipe. 3,306,310, 2–28–67, Cl. 134—122.
Grant, John C., to Byron Jackson Inc. Side-opening pipe wiper. 3,329,987, 7–11–67, Cl. 15—210.
Grant, John C., to Byron Jackson Inc. Apparatus for spraying drill pipe. 3,334,639, 8–8–67, Cl. 134—122.
Grant, John F.: *See*—
Saunders, Alfred C., and Grant. 3,329,514.
Grant, John W., and J. E. Kleboe, to R. R. Donnelley & Sons Co. Automatic typeset machine control. 3,337,686, 8–22–67, Cl. 178—23.
Grant, Louis A. De-liner machines for blast furnaces and the like. 3,302,976, 2–7–67, Cl. 299—70.
Grant, Louis A. Blast furnace lining removing machine. 3,346,300, 10–10–67, Cl. 299—70.
Grant, Norman H.: *See*—
Alburn, Harvey E., Clark, and Grant. 3,300,510.
Alburn, Harvey E., Clark, Grant, and Russell. 3,329,675.
Alburn, Harvey E., and Grant. 3,299,046.
Alburn, Harvey E., and Grant. 3,340,252.
Grant, Norman H., D. E. Clark, and H. E. Alburn, to American Home Products Corp. Poly-6(aminolacyl-amino)penicillanic acids and method of preparation. 3,351,586, 11–7–67, Cl. 260—239.1.
Grant, Norman H.: *See*—
Alburn, Harvey E., Grant, Clark, and Wolf. 3,351,587.
Grant Oil Tool Co.: *See*—
Leathers, Clarence H., and Nixon. 3,323,327.
Grant, Orland W.: *See*—
Pomper, Anthony W., and Grant. 3,354,867.
Grant, Peter H., and A. C. Mueller, to Bell & Howell Co. Combined footage counter and end of film run indicator mechanism for motion picture camera. 3,297,397, 1–10–67, Cl. 352—172.
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Del Vecchio, Joseph T., and Agnoff. 3,353,874.
Grant, Richard D. Device for lifting and supporting bed patients. 3,343,181, 9–26–67, Cl. 5—90.
Grant, Robert A.: *See*—
Hanssen, Tore, and Grant. 3,322,343.
Grant, Robert A., E. F. Sumner, R. R. Holbrook, and G. W. Ince, to King-Seeley Thermos Co. Electrical speedometer utilizing unsymmetrically positioned field coils. 3,299,353, 1–17–67, Cl. 324—70.
Grant, Robert F., and R. V. Jensen, to Walker Mfg. Co. Method of removing the cell walls of a resilient cellular filter material. 3,300,558, 1–24–67, Cl. 264—321.
Grant, Samuel, to Helene Curtis Industries, Inc. Aluminum organic complex and antiperspirant compositions containing the same. Re. 26,250, 8–15–67, Cl. 167—90.
Grant, Sidney, to N. & J. Motors Ltd. Apparatus for photographic developing. 3,314,352, 4–18–67, Cl. 95—94.
Grant, William E., to North American Aviation, Inc. Interconnecting circuits with a gallium and indium eutectic. 3,335,489, 8–15–67, Cl. 29—628.
Grantham, Frederick W. Laundry folder. 3,339,914, 9–5–67, Cl. 270—66.
Grantham, John M., H. Irik, F. L. O'Connell, and R. R. Pecheck, to Grantham & Oleson Electrical Contractors, Inc. Reel jack. 3,298,667, 1–17–67, Cl. 254—100.
Grantham & Oleson Electrical Contractors, Inc.: *See*—
Grantham, John M., Irik, O'Connell, and Pecheck. 3,298,667.
Grantham, Rodney E.: *See*—
Stimler, Morton, and Grantham. 3,307,448.
Grantham, Rodney E., to United States of America, Navy. Radio frequency free communication system. 3,306,206, 2–28–67, Cl. 102—70.2.
Grantham, Rodney E., and M. Stimler, to United States of America, Navy. Instrument for measuring energy in a light pulse. 3,302,521, 2–7–67, Cl. 88—23.
Grantland, Henry V. Instrument for computing unknown measurements of triangulations. 3,322,340, 5–30–67, Cl. 235—61.
Grantom, Roy L., and L. J. Spillane, to Monsanto Co. Oxidative dehydrogenation process. 3,297,777, 1–10–67, Cl. 260—683.3.
Grants, Paul R. Precast insulating masonry unit and insulating filler. 3,318,062, 5–9–67, Cl. 52—309.
Grantz, Elek. Electrical plug and receptacle. 3,349,360, 10–24–67, Cl. 339—14.
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Graphic Electronics, Inc.: *See*—
Barron, John N. 3,327,400.
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Grasemann, Horst, to Chemische Werke Huls Aktiengesellschaft. Process for the purification of the waste gases from the liquid-phase oxidation of cyclododecane. 3,324,189, 6–6–67, Cl. 260—666.
Grasenick, Fritz: *See*—
Gessner, Siegfried, and Grasenick. 3,332,392.
Grasenick, Fritz, and S. Gessner. Spring biased fixing-clips for maintaining specimen carriers for electron microscopy in position. 3,307,035, 2–28–67, Cl. 250—49.5.
Graser, Clarence F., to Westinghouse Electric Corp. Air conditioner. 3,323,319, 6–6–67, Cl. 62—262.
Graser, Earl J., to Olinkraft, Inc. Basket-style article carrier. 3,330,441, 7–11–67, Cl. 220—113.
Graser, Earl J., to Olinkraft, Inc. Bottle carrier. 3,352,452, 11–14–67, Cl. 220—111.
Graser, Earl J., to Olinkraft, Inc. Partition structure to separate articles. 3,352,473, 11–14–67, Cl. 229—15.
Graser, Michael, Jr.: *See*—
Good, William E., and Graser. 3,305,630.
Good, William E., and Graser. 3,308,230.
Good, William E., Graser, and Juhlin. 3,330,908.
Good, William E., Graser, and Vanderlaan. 3,305,631.

Grashege, Albert A. Multiple compartment single piece blank carton and single piece blank therefor. 3,300,116, 1–24–67, Cl. 229—28.
Grasis, August R. Structural member. 3,353,320, 11–21–67, Cl. 52—693.
Grasley, Michael H., to Shell Oil Co. Calking and sealing composition containing block copolymers. 3,325,430, 6–13–67, Cl. 260—25.
Grasmann, Josef, to Tiox-Tinten- und Klebstoffwerk Gesellschaft m.b.H. Label dispenser. 3,342,662, 9–19–67, Cl. 156—384.
Grasmuck, Dieter, to Bolkow Gesellschaft mit beschrankter Haftung. Frequency division timing circuit employing shunting circuit for inhibtng false reset sgnals to flip-flop stages. 3,312,835, 4–4–67, Cl. 307—88.5.
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Dippolito, Paul W. 3,295,513.
Grassauer, Willie K.: *See*—
Buggele, Norman J., and Grassauer. 3,317,015.
Grassel, Eugene E., and D. W. Schoen, to Donaldson Co., Inc. Gas filter. 3,350,860, 11–7–67, Cl. 55—387.
Grasselli, Robert, and R. A. Rightmire, to The Standard Oil Co. Process for converting chemical energy into electrical energy. 3,360,401, 12–26–67, Cl. 136—86.
Grasselli, Robert K.: *See*—
Callahan, James L., Grasselli, and Knipple. 3,328,315.
Callahan, James L., Grasselli, and Knipple. 3,338,952.
Grasselli, Robert K., to The Standard Oil Co. Manufacture of aromatic nitriles and aldehydes. 3,325,504, 6–13–67, Cl. 260—294.9.
Grasselli, Robert K., J. L. Greene, and N. R. Gray, to The Standard Oil Co. Process for producing 2-cyano-butadienes. 3,347,902, 10–17–67, Cl. 260—465.9.
Grassi, Carlo, to Antares, S.p.A. Carrying case for a portable typewriter. 3,348,892, 10–24–67, Cl. 312—208.
Grassin, Henri, and P. Meynard, to Compagnie des Ateliers et Forges de la Loire (St. Chamond, Firminy, St. Etienne, Jacob-Holtzer). Supporting structure for steelmaking converter vessels. 3,358,984, 12–19–67, Cl. 266—36.
Grassl, Charles E.: *See*—
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Grassl, Simon. Cervical collar. 3,295,516, 1–3–67, Cl. 128—75.
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Felton, Leslie N., and Wuethrich. 3,314,492.
Grassmann, Alfred, to Firma Mayer & Cie. Yarn feed installation. 3,347,436, 10–17–67, Cl. 226—177.
Grassmann, Gunther. Cutting blade. 3,305,917, 2–28–67, Cl. 29—103.
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Grasso, Joseph R. Holder for cigarettes and the like. 3,313,308, 4–11–67, Cl. 131—187.
Grasso, Joseph R. Heat sealing hand tool. 3,322,603, 5–30–67, Cl. 156—597.
Grasso, Rocco, to Outboard Marine Corp. Sliding door. 3,348,-337, 10–24–67, Cl. 49—449
Grassos Koninklijke Machinefabrieken N.V.'s: *See*
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Graswich, Edward, and J. W. Cedarquist, to Dohrmann Hotel Supply Co. Grease extracting ventilator system. 3,324,629, 6–13–67, Cl. 55—87.
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Grater, Vivian S., to Dominion Engineering Works Ltd. Pressure headbox for web forming machine. 3,341,400, 9–12–67, Cl. 162—347.
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Gratsch, Jack M. Cutting machine. 3,304,607, 2–21–67, Cl. 30—273.
Grattan, Worthin F. Automatic transmission for automotive vehicles. 3,327,565, 6–27–67, Cl. 74—752.
Gratton, Charles P., and A. H. Russell, to Societe Anglo-Belge Vulcain SA. Liquid moderator-cooled nuclear reactor. 3,341,426. 9–12–67, Cl. 176—41.
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Gratzmuller, Jean L. Sliding seal assemblies. 3,316,940, 5–2–67, Cl. 138—31.
Gratzmuller, Jean L. Actuating mechanism for electric circuit breaker comprising a rod solely in tension in all positions thereof or solely under compression in positions thereof. 3,349,207, 10–24–67, Cl. 200—150.
Gratzmuller, Jean L. Fuel supply system for an internal combustion engine. 3,354,872, 11–28–67, Cl. 123—30.
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Graver, Richard B., and N. D. Farel, to Archer-Daniels-Midland Co. Method of preparing improved polyesters and alkyds, and products thereof. 3,325,428, 6–13–67, Cl. 260—22.
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Graves, Charles T., to General American Transportation Corp. Methods of making heat-insulated railway tank car bodies. 3,328,496, 6–27–67, Cl. 264—45.
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Graves, Harris B. and M. J., and H. Egerer; said Egerer assor. to said H. B. and M. J. Graves. Tree stand. 3,329,380, 7–4–67, Cl. 248—44.
Graves, Howard K. Piano soundboard. 3,311,009, 3–28–67, Cl. 84—192.
Graves, Howard K. Piano sound board. 3,312,136, 4–4–67, Cl. 84—192.
Graves, Howard K., to Ray Dolac Enterprises, Inc. Door operated space conditioning dispenser. 3,318,489, 5–9–67, Cl. 222—180.
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Graves, Jewel, to Big Dutchman, Inc. Poultry cage system with bird retainer and bottom supporting means. 3,313,-271, 4–11–67, Cl. 119—48.
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Graves, Ross E., G. Hetland, Jr., H. A. Samulon, and R. G. Stephenson, to TRW Inc. High-phase stability coherent radio signal receiver. 3,296,534, 1–3–67, Cl. 325—408.
Graves, Ross E., D. M. Jacob, and J. M. Sacks, to TRW Inc. Phase-stable receiver. 3,308,380, 3–7–67, Cl. 325—346.
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Gravey, Guy, to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Platinizing process. 3,357,858, 12–12–67, Cl. 117—213.
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Gray, Edward E., R. A. Long, and I. F. Davis, to General Precision, Inc. Correlator apparatus with averaging and summing means. 3,342,984, 9–19–67, Cl. 235—181.

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Gray, James H. Guard rail assembly. 3,332,666, 7–25–67, Cl. 256—13.1.

Gray, James H. Ground cotton retrieving system and belt. 3,342,310, 9–19–67, Cl. 198—179.

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Gray, James L., to Sperry Rand Corp. Multi-track magnetic recorder with rotatable head assembly. 3,332,085, 7–18–67, Cl. 346—74.

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Gray, Landon R. Sheet metal stretch forming apparatus and method. 3,299,688, 1–24–67, Cl. 72—296.

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Gray, Michael H., E. C. Horton, Jr., and H. F. Sparks, Jr., to Deering Milliken Research Corp. Process for separating acrylic acid from impurities. 3,337,740, 8–22–67, Cl. 260—526.

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Gray, Richardson, to United Engineering and Foundry Co. Method and apparatus for controlling the temperature of hot strip. 3,344,648, 10–3–67, Cl. 72—364.

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Grayson, Edward L., and B. J. Perry, to RCL Electronics, Inc. Switch contact assembly. 3,352,979, 11–14–67, Cl. 200—11.

Grayson, Jerome H., to United States of America, National Aeronautics and Space Administration. Voltage-current characteristic simulator. 3,325,723, 6–13–67, Cl. 323—8.

Grayson, Lawrence E., N. E. Maxwell, and G. H. Schillreff, to General Dynamics Corp. Transporter-launcher. 3,303,740, 2–14–67, Cl. 89—1.815.

Grayson, Martin, P. T. Keough, and M. M. Rauhut, to American Cyanamid Co. Method of making phosphonium salts. 3,299,143, 1–17–67, Cl. 260—606.5.

Grayson, Martin, P. T. Keough, and M. M. Rauhut, to American Cyanamid Co. Phosphonium ethyl amine derivatives. 3,320,321, 5–16–67, Cl. 260—583.

Grayson, Martin, P. T. Keough, and M. M. Rauhut, to American Cyanamid Co. Phosphonium salts and derivatives and their preparation. 3,332,962, 7–25–67, Cl. 260—332.3.

Grayson, Martin, P. T. Keough, and M. M. Rauhut, to American Cyanamid Co. Quaternary organophosphonium halides and preparation thereof. 3,333,005, 7–25–67, Cl. 260—606.5.

Grayson, Martin, A. E. Sherr, H. C. Gillham, and M. E. Castellion, to American Cyanamid Co. Organophosphorus-copper complex compounds. 3,345,392, 10–3–67, Cl. 260—438.1.

Grayson, Richard D., to International Telephone and Telegraph Corp. Dual-piloted thermostatically controlled diaphragm valve. 3,304,002, 2–14–67, Cl. 236—80.

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Graziano, Lawrence A. Dye testing apparatus. 3,323,337, 6–6–67, Cl. 68—27.

Graziano, Victor, and F. H. Hartke, to Motorola, Inc. Closed loop ratio squared diversity combiner. 3,350,646, 10–31–67, Cl. 325—305.

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Graziosi, Michael. Three wire ground type safety fuse receptacle. 3,360,623, 12–26–67, Cl. 200—115.5.
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Greaney, Harry D., and J. E. Sullivan. String winding device. 3,309,038, 3–14–67, Cl. 242—85.1.
Greaney, Thomas P., to United States Steel Corp. Insulated water-cooled furnace supporting structure. 3,329,414, 7–4–67, Cl. 263—6.
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Greanias, Evon C., and R. J. Norman, to International Business Machines Corp. Apparatus for resolving space curve slopes into angular sectors. 3,297,988, 1–10–67, Cl. 340—146.3.
Greasley, Eric A., to Pressac Ltd. Lamp holder, primarily for use with circuit boards. 3,324,442, 6–6–67, Cl. 339—17.
Greasley, Eric A., to Pressac Ltd. Miniature lamp holders. 3,354,302, 11–21–67, Cl. 240—8.16.
Greasley, Eric A., to Pressac Ltd. Dustproof lamp holder. 3,358,136, 12–12–67, Cl. 240—8.16.
Greason, Craig P. Envelope. 3,356,285, 12–5–67, Cl. 229—70.
Greason, Craig P. Envelope. 3,356,286, 12–5–67, Cl. 229—79.
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Juel, Leslie H., and Ellis. 3,338,993.
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Werder, Theodore G., and Schuetze. 3,310,087.
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Stillwell, Peter F. T. C., and Greaves. 3,315,377.
Grebe, Konrad. Conveyor band with carriers. 3,338,380, 8–29–67, Cl. 198—189.
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Ryzhov-Nikonov, Vladimir I., Grebennik, and Ermolov.
Greber, Henry. Device to prevent vibration of aerial conductors. 3,296,357, 1–3–67, Cl. 174—42.
Greber, Henry. Electrical switch with electrostatic prevention of arc formation. 3,310,649, 3–21–67, Cl. 200—166.
Greber, Henry. Lightning arrester with semiconductor electrodes. 3,328,631, 6–27–67, Cl. 315—36.
Greber, Henry. Circuit breaker with controlled instant of operation. 3,360,684, 12–26–67, Cl. 317—11.
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Greck, Eugene: *See*—
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Greck, Eugene, to American Flange & Mfg. Co., Inc. Method and apparatus for orienting articles. 3,297,130, 1–10–67, Cl. 198—33.
Greck, Eugene, to American Flange & Mfg. Co., Inc. Method and apparatus for dividing the flow of articles. 3,355,002, 11–28–67, Cl. 198—31.
Greco, Anthony. Guide device for portable electric saws. 3,344,824, 10–3–67, Cl. 143—160.
Greco, Carl C.: *See*—
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Greco, Joe, to United States of America, Army. Constant flow, variable area hybrid engine injector. 3,323,308, 6–6–67, Cl. 60—240.
Greding, Robert, to Dominion Engineering Works Ltd. Manual latch for coreshaft box. 3,301,498, 1–31–67, Cl. 242—66.
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Greedy, Edwin F., to FMC Corp. Method of and apparatus for harvesting vine crops. 3,330,363, 7–11–67, Cl. 171—1.
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Green, Albert L., and G. L. Willey, to Smith Kline & French Laboratories. Methods and compositions for inducing tranquilizing muscle relaxant and depressant activity. 3,316,-151, 4–25–67, Cl. 167—65.
Green, Albert W.: *See*—
Brown, Marion L., Jr., Green, and Blanton. 3,317,276.
Green, Albert W., to Mississippi Chemical Corp. Sulfur-coated urea fertilizer and method of making. 3,313,613, 4–11–67, Cl. 71—28.
Green, Alfred J., to NVF Co. Fiberglass reinforced textile bobbin. 3,350,030, 10–31–67, Cl. 242—118.32.
Green, Bertram P., and G. Phillips, to North American Philips Co., Inc. Automatic radio direction finder. 3,328,799, 6–27–67, Cl. 343—118.
Green, Carol P. Bag closure. 3,327,928, 6–27–67, Cl. 229—80.
Green, Charles A.: *See*—
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Green, Charles C. Measuring tape. 3,311,983, 4–4–67, Cl. 33—126.5.
Green, Clark L. Door control system. 3,354,677, 11–28–67, Cl. 70—279.
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Green, Daniel M., and R. F. Krueger, to Bristol-Myers Co. Method of producing ataraxic, anti-convulsant activity and skeletal muscle relaxation. 3,314,852, 4–18–67, Cl. 167—65.
Green, Derek, to United Kingdom Atomic Energy Authority. Extrusion apparatus. 3,296,660, 1–10–67, Cl. 18—12.
Green, Derek, to United Kingdom Atomic Energy Authority. Means for pressurising liquids. 3,318,256, Cl. 103—178.
Green, Derek, to United Kingdom Atomic Energy Authority. Hydrostatic extrusion of sheathed ceramic nuclear fuel material. 3,344,507, 10–3–67, Cl. 29—420.5.
Green, Derek, to United Kingdom Atomic Energy Authority. Hydrosatic extrusion apparatus. 3,354,685, 11–28–67, Cl. 72—253.
Green, Donald E., to Dow Corning Corp. Silicone polyimides. 3,338,859, 8–29–67, Cl. 260—30.2.
Green, Edward C. Wrench type combination tool. 3,314,-087, 4–18–67, Cl. 7—7.
Green, Edward H. Valve housing and dip tube assembly. 3,311,274, 3–28–67, Cl. 222—402.18.
Green, Edward H. Aerosol valve construction. 3,348,743, 10–24–67, Cl. 222—402.24.
Green, Elberson D.: *See*—
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Green, Elden G., to Varian Associates. Klystron having movable tuning wall, stiffening members bonded to the tube body and collector mounting means under compression. 3,327,159, 6–20–67, Cl. 315—5.38.
Green, Eric. Equalizer slide extension for tables. 3,337,274, 8–22–67, Cl. 308—3.6.
Green, Francis E., Jr., to Eureka-Carlisle Co. Perforation pattern. 3,333,688, 8–1–67, Cl. 206—56.
Green, Frank W., to General Electric Co. Circuit for monitoring a variable electrical quantity. 3,334,341, 8–1–67, Cl. 340—248.
Green, Frank W., and D. L. Watrous, to General Electric Co. Power supply. 3,319,126, 5–9–67, Cl. 317—33.
Green, Franklin C. Electro-magnetic trigger. 3,334,208, 8–1–67, Cl. 200—157.
Green, Frederic L., to Prescolite Mfg. Corp. Illuminated display fixture. 3,296,431, 1–3–67, Cl. 240—11.2.
Green, Frederic L., to Prescolite Mfg. Corp. Lighting fixture with adjustable beam director. 3,305,681, 2–21–67, Cl. 240—78.
Green, Frederic L., to Prescolite Mfg. Corp. Light fixture with spring toggle diffuser retention means. 3,328,579, 6–27–67, Cl. 240—147.
Green, Frederick H., to The Garrett Corp. Pulse tube refrigeration with a fluid switching means. 3,314,244, 4–18–67, Cl. 62—88.
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Green, George E. Adjustable railing. 3,306,586, 2–28–67, Cl. 256—73.
Green, George H., to United States of America, Navy. Diagnostic test for dental caries activity. 3,332,743, 7–25–67, Cl. 23—230.
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Green, Harold. One-way releasable snap fastener connection for webbing material. 3,349,452, 10–31–67, Cl. 24—218.
Green, Harold F., to Space Conditioning, Inc. Air treating and conditioning apparatus. 3,328,941, 7–4–67, Cl. 55—234.
Green, Harold H., and A. D. Robinson, to Dunlop Rubber Co. Ltd. Apparatus for the treatment of sheet materials. 3,300,874, 1–31–67, Cl. 34—242.
Green, Jack, and J. H. Osgood. Apparatus for cleaning a body of liquid and maintaining its level. 3,304,564, 2–21–67, Cl. 15—1.7.
Green, Jack C., and F. N. Morrison. Emergency fire escape apparatus. 3,307,654, 3–7–67, Cl. 182—198.

Green, Jack R.: *See*—
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Green, Jack R., to Vickers Ltd. Control systems for pumps and motors. 3,314,364, 4–18–67, Cl. 103—38.
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Green, James, Jr., and R. Gresens, to General Electric Co. Power tool. 3,357,275, 12–12–67, Cl. 74—606.
Green, James C.: *See*—
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Green, James H., to James Green Developments Ltd. Fire access door unit. 3,298,397, 1–17–67, Cl. 138—92.
Green, James R., and A. J. Fine, to Mattel, Inc. Three-dimensional display means. 3,333,358, 8–1–67, Cl. 40—160.
Green, Jim L. Roller skates. 3,355,184, 11–28–67, Cl. 280—11.19.
Green, John C. Folding step ladder. 3,307,652, 3–7–67, Cl. 182—22.
Green, John E., to United-Carr Inc. Sealing plug. 3,332,572, 7–25–67, Cl. 220—25.
Green, John F., to Cherry-Burrell Corp. Airtight bag packer. 3,351,391, 11–7–67, Cl. 302—53.
Green, John M., and R. Horne, to Monsanto Co. Capacitive signal comparison circuit. 3,343,086, 9–19–67, Cl. 324—111.
Green, John M., and P. F. McKinney, to Monsanto Co. Signal comparator using capacitor charge and discharge rates. 3,354,390, 11–21–67, Cl. 324—79.
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Fein, Marvin M., Green, and O'Brien. 3,355,478.
Green, Joseph, to Miner Industries, Inc. Toy hand-held voice modifier. 3,343,298. 9–26–67, Cl. 46—182.
Green, Joseph, and N. Mayes, to Thiokol Chemical Corp. Organo-boron copolymers. 3,301,836, 1–31–67, Cl. 260—86.1.
Green, Joseph, and N. Mayes, to Thiokol Chemical Corp. Boron-containing polymers. 3,351,616, 11–7–67, Cl. 260—75.
Green, Julius, to General Foods Corp. Process for preparing meat flavor and aroma compositions. 3,348,954, 10–24–67, Cl. 99—140.
Green, Kenneth W., and H. Raby, to Westland Aircraft Ltd. Trace reading devices. 3,302,194, 1–31–67, Cl. 340—347.
Green, Leland D.: *See*—
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Nesin, Daniel J., and Green. 3,358,592.
Nesin, Daniel J., Green, and Kynicki. 3,349,702.
Nesin, Daniel J., Green, and Tanguay. 3,342,126.
Green, Lewis B., and D. A. Kleppin, to The Boeing Co. Measuring surface temperatures of ablating materials with thermocouple and photocell. 3,299,275, 1–17–67, Cl. 250—222.
Green, Louis G., 49% to N. C. MacDonald. Cam lock. 3,353,856, 11–21–67, Cl. 292—66.
Green, Malcolm, to Schaevitz-Bytrex Corp. Constant moment load cell. 3,309,922, 3–21–67, Cl. 73—141.
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Green, Marshall S., and S. H. Hansson, to The Black Clawson Co. Headbox for papermaking machine and stock distributor thereto. 3,296,066, 1–3–67, Cl. 162—338.
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Green, Milton, to Polaroid Corp. Dihydroxyphenoxy-aryl monoazo compounds. 3,303,183, 2–7–67, Cl. 260—162.
Green, Milton, to Polaroid Corp. 1-(hydroquinonylalkylphenyl)-3 carbalkoxy-4(arylazo)-5-pyrazolones. 3,306,891, 2–28–67, Cl. 260—162.
Green, Milton, to Polaroid Corp. Monoazo hydroxynaphthoxy alkanoic acid containing compounds. 3,328,386, 6–27–67, Cl. 260—202.
Green, Milton, to Polaroid Corp. (Dihydroxy- and dicarbethoxy-phenyl)phenylcarboxamide compounds. 3,329,700, 7–4–67, Cl. 260—463.
Green, Milton, to Polaroid Corp. Photographic developing agents. 3,337,342, 8–22–67, Cl. 96—29.
Green, Milton, to Polaroid Corp. Photographic compositions, products and processes. 3,345,167, 10–3–67, Cl. 96—29.
Green, Milton, and P. T. Moore, to Polaroid Corp. Photographic products, compositions and processes utilizing azonaphthol dye developers. 3,297,441, 1–10–67, Cl. 96—29.
Green, Milton, and M. S. Simon, to Polaroid Corp. Ortho- and para-dihydroxyphenyl substituted monoazo dyes. 3,299,041, 1–17–67, Cl. 260—197.
Green, Milton, T. W. Milligan, and D. L. Ross, to Polaroid Corp. Monoazo compounds containing a dihydroxyphenyl group and a 2-amino-8-naphthol group. 3,337,524, 8–22–67, Cl. 260—198.
Green, Milton, H. P. Husek, and S. Kasman, to Polaroid Corp. Monoazo dyes. 3,357,969, 12–12–67, Cl. 260—199.
Green, Norman F., to Honeywell Inc. Timing device. 3,343,424, 9–26–67, Cl. 74—25.
Green, Norman G., and E. Hodgson, to British Telecommunications Research Ltd. Converters for telegraph signals or the like. 3,346,693, 10–10–67, Cl. 178—26.
Green, Peter N.: *See*—
Shapero, Maurice, and Green. 3,308,136.
Green, Richard, to Tenneco Chemicals, Inc. Formaldehyde polymer stabilized by a poly (acetal-amide). 3,318,970, 5–9–67, Cl. 260—823.
Green, Richard W.: *See*—
Arbogast, Duane J., Jaseph, and Green. 3,302,531.
Green, Robert A., and W. Dobson. Folding boom for mobile cranes. 3,306,470, 2–28–67, Cl. 212—144.
Green, Robert B., H. H. Geissler, and S. S. Kurpit, to Englehard Industries, Inc. Hydrogen generator. 3,350,176, 10–31–67, Cl. 23—281.
Green, Robert L., to FMC Corp. Method of producing detergent composition. 3,350,318, 10–31–67, Cl. 252—135.
Green, Ronald H., and S. F. Jenkins, to Fielding & Platt Ltd. Hydraulic extrusion presses. 3,334,507, 8–8–67, Cl. 72—272.
Green, Ronald M., and J. A. Hoffman, to American Telephone and Telegraph Co. Data line switching system having camp on busy line means. 3,344,235, 9–26–67, Cl. 179—18.
Green, Rudolph C. Attachment for electric clipper. 3,334,416, 8–8–67, Cl. 30—200.
Green, Sam J., to Champion Spark Plug Co. Ignition misfire and tracking simulator. 3,357,114, 12–12–67, Cl. 35—13.
Green, Stanley L.: *See*—
Rush, Stanley H., and Green. 3,336,868.
Stefano, Nicholas M., Rush, and Green. 3,319,520.
Green, Stanley S. Radio paging system responsive to pulses of correct frequency and timing. 3,314,048, 4–11–67, Cl. 340—164.
Green, Sydney J., and W. B. Fordyce, to Brown and Williamson Tobacco Corp. Processing of smoking tobacco. 3,316,919, 5–2–67, Cl. 131—143.
Green, Walter E., to Associated Lead Manufacturers Ltd. Manufacture of antimony trioxide. 3,330,623, 7–11–67, Cl. 23—144.
Green, Walter E., deceased (by Lloyds Bank Ltd., executor), to Associated Lead Manufacturers, Ltd. Flame resistant composition. 3,333,970, 8–1–67, Cl. 106—15.
Green, Walter F., to The Timken Roller Bearing Co. Grinding machine. 3,334,445, 8–8–67, Cl. 51—103.
Green, William B., to Westinghouse Electric Corp. Semiconductor devices having a bottom electrode silver soldered to a case member. 3,331,996, 7–18–67, Cl. 317—234.
Green, William L., and R. W. Bricker, to United States of America, National Aeronautics and Space Administration. Mass measuring system. 3,323,370, 6–6–67, Cl. 73—432.
Green, William S.: *See*—
Hoertz, Charles D., Jr., and Green. 3,317,662.
Green, William S., and C. D. Hoertz, Jr., to Ashland Oil & Refining Co. Polycyclic aromatics by two-stage hydrodealkylation. 3,317,623, 5–2–67, Cl. 260—672.
Green, Zane A.: *See*—
Aronson, Arnold J., Green, and Hurley. 3,337,763.
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Greenawalt, Monte H. Method of making an arch support by measuring an impression of a foot. 3,320,347, 5–16–67, Cl. 264—223.
Greenbaum, Alfred. Conduit stabilizer for aquariums. 3,326,184, 6–20–67, Cl. 119—5.
Greenbaum, Sheldon B., to Hooker Chemical Corp. Furoyloxyalkenyl thio phosphates. 3,326,943, 6–20–67, Cl. 260—347.2.
Greenbaum, Sheldon B., to Hooker Chemical Corp. Method for controlling insects and worms with organophosphorus cyclic sulfone compositions. 3,341,407, 9–12–67, Cl. 167—33.
Greenbaum, Sheldon B., to Hooker Chemical Corp. Ethylenebis sulfonium salts for the control of soil borne pathogens and as seed protectants. 3,344,020, 9–26–67, Cl. 167—33.
Greenberg, Gerald B., and R. M. Scheiner, to Telar Associates, Inc. Space reflector device. 3,337,871, 8–22–67, Cl. 343—18.
Greenberg, Harry, to National Distillers and Chemical Corp. Caulking compound comprising mixed latices of elastomeric and resinous polymers. 3,309,349, 3–14–67, Cl. 260—94.9.
Greenberg, Harry, and C. C. Y. Liu, to Channel Master Corp. Ultra-high-frequency antenna assembly and parasitic array therefor. 3,344,431, 9–26–67, Cl. 343—795.
Greenberg, Herbert J.: *See*—
Adler, Everett J., and Greenberg. 3,329,534.
Greenberg, Herbert J., and L. P. Horwitz, to International Business Machines Corp. Self-adaptive systems. 3,333,248, 7–25–67, Cl. 340—172.5.
Greenberg, Jacob, and L. H. Thaller, to United States of America, National Aeronautics and Space Administration. Combined electrolysis device and fuel cell and method of operation. 3,357,862, 12–12–67, Cl. 136—86.
Greenberg, Leon S.: *See*—
Desmond, Timothy J., Greenberg, and Weisberg. 3,356,543.
Greenberg, Leon S., J. Neilson, and H. Weisberg, to Radio Corp. of America. Controlled rectifier having asymmetric conductivity gradients. 3,327,183, 6–20–67, Cl. 317—235.
Greenberg, Percy, to John R. Thomson. Truck tarpaulin assembly. 3,310,338, 3–21–67, Cl. 296—100.
Greenberg, Sol: *See*—
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Dubin, Lester, Greenberg, and Gautherin. 3,323,034.
Greenberg, Sol, and I. Forrest. Stabilized potential and current sources. 3,323,038, 5–30–67, Cl. 323—22.
Greenberg, Sol, and G. Gautherin, to Lambda Electronics Corp. Regulated power supplies with self-commutating switching. 3,331,014, 7–11–67, Cl. 323—22.
Greenberg, Sol, G. Gautherin, and I. Forrest. Regulated AC-DC power supply. 3,353,083, 11–14–67, Cl. 321—18.
Greenberg's, M., Sons: *See*—
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Greenbie, Barrie B. Movable partition or wall. 3,335,532, 8–15–67, Cl. 52—122.

Greenblatt, Eugene N., and S. R. Safir, to American Cyanamid Co. Dosage unit composition of 1-(p-chlorophenyl)-1,2-cyclopropanedicarboximide for relief of depression. 3,344,-026, 9–26–67, Cl. 167—65.
Greenblott, Bernard J., D. R. McCormick, J. M. Scalone, and W. J. Wheeler, to International Business Machine Corp. Document sorting apparatus. 3,304,080, 2–14–67, Cl. 271—3.
Greendorfer, Joseph M., to United Aircraft Corp. Dinitrohydrazinoethane. 3,314,997, 4–18–67, Cl. 260—583.
Greene, Abbot, and P. Densen. Box construction. 3,322,323, 5–30–67, Cl. 229—37.
Greene, Ben. Cap with removable visor stiffener. 3,344,437, 10–3–67, Cl. 2—195.
Greene, Charles E., and W. J. van Essen, to The General Tire & Rubber Co. Elastomeric copolymers from dihydric phenols and organic diepoxides, their preparation and cure. 3,346,-532, 10–10–67, Cl. 260—37.
Greene, Ernest W., to Minerals & Chemical Philipp Corp. Phosphate matrix beneficiation process. 3,302,785, 2–7–67, Cl. 209—5.
Greene, Ernest W., and J. B. Duke, to Minerals & Chemicals Philipp Corp. Treatment of phosphate rock slimes. 3,314,-537, 4–18–67, Cl. 209—5.
Greene, Ernest W., and T. A. Cecil, to Minerals & Chemicals Philipp Corp. Method for granulating material. 3,315,-015, 4–18–67, Cl. 264—15.
Greene, George B. Typewriter with means to decrease rate of operation to prevent typebar malfunction. 3,342,296, 9–19–67, Cl. 197—20.
Greene, George B. Fluidynamic system and method of operation. 3,342,297, 9–19–67, Cl. 197—20.
Greene, George B. Fluidic telemetering apparatus for quantity meters. 3,352,488, 11–14–67, Cl. 235—91.
Greene, Harold R.: *See*—
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Greene, Harold R., to Electronic Associates Inc. Transmission system. 3,302,035, 1–31–67, Cl. 307—88.5.
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Gregory, Charles A., Jr., and M. S. McKenney, to Giannini Scientific Corp. Automatic exposure control for camera lens. 3,327,186, 6–20–67, Cl. 318—28.
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Gregory, John W., C. W. Fetheroff, and J. M. Fuscoe, to TRW Inc. Fuel cell heat and water removal system using electrolyte circulation. 3,300,341, 1–24–67, Cl. 136—086.
Gregory, Lester, Jr., to Calark, Inc. Seed planter feeding indicator and counting mechanism and circuit control device. 3,355,102, 11–28–67, Cl. 235—98.
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Gregory, William C. Cleaning apparatus. 3,331,163, 7–18–67, Cl. 51—8.
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Greilich, Alfred L., to United States of America, Atomic Energy Commission. Non-photoemissive grid for a phototube and process for making same. 3,327,152, 6–20–67, Cl. 313—99.
Greiner, Harry, to Linotype G.m.b.H. Mold wheel indexing mechanism. 3,300,036, 1–24–67, Cl. 199—13.
Greiner, Hermann, and E. Von Gregor, to Fernseh G.m.b.H. Method and arrangement for the operation of pick-up tubes, preferably of the image-orthicon type. 3,308,235, 3–7–67, Cl. 178—7.2.
Greiner, Leonard, to Texaco Experiment Inc. Reaction propulsion device. 3,298,181, 1–17–67, Cl. 60—251.
Greiner, Otto. Deck chair with swingable back regulated by the supports. 3,306,659, 2–28–67, Cl. 297—19.
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Greis, Karl, and P. Hamacher, to Verwaltungsgesellschaft Moeller & Neumann offene Handelsgesellschaft. Sheet metal shears with compensation of knife drum tilt. 3,359,845, 12–26–67, Cl. 83—556.
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Greitzer, Harry. Conveyor. 3,344,906, 10–3–67, Cl. 198—195.
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Grembecki, Elmer C., and A. J. Nelson, to Oxy-Dry International, Ltd. Printing cylinder cleaner. 3,309,993, 3–21–67, Cl. 101—425.
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Grenley, Dallas G., and H. J. Townsend, to The Dow Chemical Co. Coating of polymer film and sheet. 3,353,992, 11–21–67, Cl. 117—138.8.
Grepe, Frederick Y., to A. O. Smith Corp. Drive control including plural A.C. motors coupled to same shaft with D.C. braking. 3,319,142, 5–9–67, Cl. 318—48.
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Gresham, Virginia D. Male urinary drain with applicator. 3,336,926, 8–22–67, Cl. 128—295.
Gresham, Virginia D. Female urinary drain. 3,347,238, 10–17–67, Cl. 128—295.
Gressbach, Arthur. Lifting mechanism. 3,322,455, 5–30–67, Cl. 294—81.
Gressette, John T., and F. G. Wilson. Card holder. 3,318,-311, 5–9–67, Cl. 129—18.
Gressley, Irvin R. Shoe measuring device. 3,332,151, 7–25–67, Cl. 33—3.2.
Gressman, Edward G., and J. E. Hiers, to Union Tank Car Co. Backwash and regeneration valve for water conditioning system. 3,298,396, 1–7–67, Cl. 137—637.4.
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Celio, Tino, and Mey. 3,340,360.
Ehrat, Kurt, and Eckstein. 3,310,867.
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Greten, Ernst, and P. Vajda, to Bahre Metallwerk K.G. Apparatus for the continuous manufacture of boards from particle-like substances. 3,312,999, 4–11–67, Cl. 18—4.
Grether, Tobias H., R. M. Ziegenmeyer, and J. Bermann, to Consolidated Thermoplastics Co. Apparatus for erecting a fluid barrier. 3,298,183, 1–17–67, Cl. 61—72.1.
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Gretzky, Anthony J., to Brunswick Corp. Shoe dispenser. 3,312,321, 4–4–67, Cl. 194—2.
Gretzschel, Herbert, T. Schmauder, and H.-P. Sinz. Wheeled vehicles for travel on streets and railways. 3,311,067, 3–28–67, Cl. 104—242.
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Greulich, Thomas A. Vertical take-off and landing airplane. 3,311,327, 3–28–67, Cl. 244—12.
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Lehmann, Hellmuth, Grewe, and Lautenschlage. 3,326,-951.
Scheinpflug, Hans, Grewe, and Jung. 3,301,747.
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Grey, Gordon E., and W. W. Wilson, to Sperry Rand Corp. Bale wagon control. 3,330,424, 7–11–67, Cl. 214—6.
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Gribble, Joseph J., and M. Y. Turnbull, to Square D Co. Electric switching device. 3,328,552, 6–27–67, Cl. 200—168.
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Grichnik, Emil J., to International Harvester Co. Device for parting rows of cotton plants and the like. 3,335,554, 8–15–67, Cl. 56—119.
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Grieselhuber, William, to The Western States Machine Co. Centrifugal discharger mechanism. 3,339,733, 9–5–67, Cl. 210—91.
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Griest, Edward M., to Corning Glass Works. Encapsulated impedance element. 3,307,134, 2–28–67, Cl. 338—237.
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Griffin, Donald N., to Quantic Industries, Inc. Micro-circuit bridge and method. 3,334,205, 8–1–67, Cl. 200—135.
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Griffin, Lindsay I., Jr., J. V. Clarke, Jr., and C. H. Worsham, to Esso Research and Engineering Co. Process for anodically oxidizing olefins to ketones. 3,329,593, 7–4–67, Cl. 204—80.
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Griffin, Phil H., III, to Bass Bros. Enterprises, Inc. Mud throttling valve. 3,342,216, 9–19–67, Cl. 138—45.
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Griffin, Phil H., III, and J. W. Melton, Jr., to Bass Bros. Enterprises, Inc. Drilling mud degassers for oil wells. 3,325,974, 6–20–67, Cl. 55—167.
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Griffith, Carroll L.: *See*—
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Griffith, Charles C. Aeration hood assembly. 3,330,119, 7–11–67, Cl. 61—1.
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Griffith, George L., to Trojan Powder Co. Process and apparatus for preparing detonating and deflagrating fuse. 3,327,582, 6–27–67, Cl. 86—20.
Griffith, George L., to Trojan Powder Co. Nitrostarch explosives containing slowly hydratable guar gum. 3,330,706, 7–11–67, Cl. 149—38.
Griffith, George L., to Trojan Powder Co. Explosive slurries from saturated ammonium nitrate solutions and process for preparing the same. 3,337,380, 8–22–67, Cl. 149—38.
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Griffith, George L., W. L. K. Schwoyer, and S. L. Mayer, to Trojan Powder Co. Self destructive explosive cartridge for underwater seismic exploration. 3,322,066, 5–30–67, Cl. 102—24.
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Griffith, Robert C., and E. T. Dunning, to Interchemical Corp. Lithographic fountain solutions and method of use. 3,354,824, 11–28–67, Cl. 101—451.
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Grigor, John, and R. E. Short, to Plessey U.K. Ltd. Speed and angular acceleration responsive centrifugal governors. 3,338,253, 8–29–67, Cl. 137—56.
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Grimland, Charles J., to The Geotechnical Corp. Accelerometer. 3,315,531, 4–25–67, Cl. 73—515.
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Grimm, Donald K., and A. E. Glandon, to Collins Radio Co. Pulse magnitude regulating system. 3,329,829, 7–4–67, Cl. 307—88.
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Grosholz, James R., to Air-Shields, Inc. Equipment for respiratory treatment. 3,318,308, 5–9–67, Cl. 128—191.
Grosholz, James R., and J. D. Wallace, to Air-Shields, Inc. Infant incubator. 3,335,713, 8–15–67, Cl. 128—1.
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Grosmangin, Jacques, B. Besancon, and J.-C. Petit, to Societe Anonyme dite. Compagnie Francaise de Raffinage. Polymerization of olefine with radiation and an ammonia accelerator. 3,328,379, 6–27–67, Cl. 260—94.9.
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Grosner, George J., and E. V. Huda, to Raybestos-Manhattan, Inc. Binder composition. 3,316,187, 4–25–67, Cl. 260—2.5.
Grosner, George J., and E. V. Huda, to Raybestos-Manhattan, Inc. Curable binder composition comprising epoxy resin, curing agent, and polymeric latex. 3,316,195, 4–25–67, Cl. 260—29.6.
Grospas, Pierre. Gravity-closing scoop. 3,303,590, 2–14–67, Cl. 37—183.
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Gross, Johann, to Robert Fischback KG, Bleck- und Metallwarenfabrik. Radial flow blower. 3,332,612, 7–25–67, Cl. 230—117.
Gross, Johann, to Blech-und Metallwarenfabrik Robert Fischbach K.G. Axial blowers. 3,337,122, 8–22–67, Cl. 230—117.
Gross, Johann, to Hydraulik G.m.b.H. Extruder having means for exchanging pressure plates and dies. 3,345,854, 10–10–67, Cl. 72—263.
Gross, John, to Celanese Corp. Napkin fabrics. 3,308,827, 3–14–67, Cl. 128—290.
Gross, Kenneth J., T. Nitta, J. W. Sawhill, and R. E. Williams, to Rexall Drug and Chemical Co. Method of dehydrating heparin containing animal mucosa. 3,337,410, 8–22–67, Cl. 167—74.
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Barber, Beno, and Gross. 3,312,932.
Gross, Leo. Method of ultrasonic drawing of sheet metal. 3,318,129, 5–9–67, Cl. 72—199.
Gross, Louis E., to Unity Mfg. Co. Remote controlled spotlight. 3,307,029, 2–28–67, Cl. 240—61.13.
Gross, Ludwig, and F. Pelz, to Simmering-Graz-Pauker Aktiengesellschaft fur Maschinen-, Kesset- und Waggonbau. Low-platform railway car bogie. 3,333,551, 8–1–67, Cl. 105—183.
Gross, Orville, and B. T. Alexander, to Chemetron Corp. Catalyst and method for producing the same. 3,296,325, 1–3–67, Cl. 260—677.
Gross, Peter L.: *See*—
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Gross, Richard E., and G. H. Hunt, to Simplex Wire and Cable Co. Dielectric compositions containing halogenated voltage stabilizing additives. 3,350,312, 10–31–67, Cl. 252—63.2.
Gross, Richard P. Horizontal plate filter. 3,319,794, 5–16–67, Cl. 210—334.
Gross, Robert, to Mastereel Industries, Inc. Hub for film cores and tight-wound marginally apertured film strips. 3,331,-564, 7–18–67, Cl. 242—71.8.
Gross, Sherman B., C. L. Uretsky, and P. T. Altebrando, to General Instrument Corp. Variable photosensitive semiconductor device having a graduatingly different operable surface area. 3,296,502, 1–3–67, Cl. 317—234.
Gross, William L. C., and O. H. Stone. System for the prevention of frost damage. 3,354,579, 11–28–67, Cl. 47—2.
Grosschopf, Herbert, P. Zehfeld, to Firma Rheinmetall G.m.b H. Gun barrel with variable capacity chamber. 3,359,-856, 12–26–67, Cl. 89—16.
Grosse, Aristid V., and C. S. Stokes, to The Welsback Corp. Method for the production of ozone using a plasma jet. 3,309,300, 3–14–67, Cl. 204—176.

Grosse, Aristid V., and A. G. Streng, to United States of America, Navy. Dioxygen chlorine trifluoride. 3,320,031, 5–16–67, Cl. 23—203.
Grosse, Aristid V., and A. G. Streng, to United States of America, Navy. Dioxygen bromine pentafluoride. 3,341,294, 9–12–67, Cl. 23—203.
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Merijan, Ashot, and Grosser. 3,346,594.
Grosser, Frederick, and M. R. Leibowitz, to General Aniline & Film Corp. Methods of polymerizing N-vinyl imides. 3,299,023, 1–17–67, Cl. 260—88.3.
Grosser, Frederick, and M. R. Leibowitz, to General Aniline & Film Corp. Method of making insoluble polymers of N-vinyl imides. 3,306,881, 2–28–67, Cl. 260—78.
Grosser, Frederick, E. V. Hort, and A. Schwartz, to General Aniline & Film Corp. Polymerization of N-vinyl lactams using plural stage heating in the presence of catalyst compositions of hydrides or borohydrides of alkali metals and water. 3,306,886, 2–28–67, Cl. 260—88.3.
Grosser, Frederick, E. V. Hort, and A. Schwartz, to General Aniline & Film Corp. Method of making insoluble polymers of N-vinyl imides. 3,322,729, 5–30–67, Cl. 260—78.
Grosser, Frederick, E. V. Hort, and A. Schwartz, to General Aniline & Film Corp. Process for producing water insoluble polymers of N-vinyl imides. 3,322,730, 5–30–67, Cl. 260—78.
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Grossi, Lewis G., and A. S. Schmidt, Sr., to Alto Co. Method and apparatus for packaging. 3,300,945, 1–31–67, Cl. 53—35.
Grossman, Abraham, ½ to T. P. Mahoney. Fenestration construction. 3,344,575, 10–3–67, Cl. 52—656.
Grossman, Abraham. Curtain wall construction allowing vertical and horizontal expansion. 3,357,145, 12–12–67, Cl. 52—235.
Grossman, David H., and M. M. Merlen, to Barnes Engineering Co. Spurious signal void circuit. 3,305,732, 2–21–67, Cl. 307—88.5.
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Grossman, Harry, Pipe tool. 3,327,717, 6–27–67, Cl. 131—243.
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Grossteinbeck, Rolf, H. Holtz, H. Rabenhorst, and W. Willicks, to Battelle-Institut e.V. Electrostatic flocking apparatus. 3,329,125, 7–4–67, Cl. 118—638.
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Kettering, Dale O., Strickland, and Grosswiller. 3,302,-871.
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Groszek, Aleksander J., to The British Petroleum Co., Ltd. Preferential adsorption of normal paraffins on molybdenum disulphide, tungsten disulphide and boron nitride. 3,338,-822, 8–29–67, Cl. 208—310.
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Grotenhuis, Ivan M., and C. J. Halva, to Minnesota Mining and Mfg. Co. Organic carbonaceous matrix with radioisotope dispersed therein. 3,334,050, 8–1–67, Cl. 252—301.1.
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Groth, Edward J., Jr., and S. W. Attwood, to Motorola, Inc. Communication system employing multipath rejection means. 3,351,859, 11–7–67, Cl. 325—42.
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Grove, Marvin H., to M. & J. Valve Co. Valve construction. 3,339,886, 9–5–67, Cl. 251—174.
Grove, Marvin H., to M & J Valve Co. Valve construction. 3,353,784, 11–21–67, Cl. 251—174.
Grove, Robert K., W. S. Collins, and S. C. De Brock, to United States of America, Air Force. Sump for space vehicles. 3,353,350, 11–21–67, Cl. 60—39.48.
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Growall, William H., and J. Wiseman, to Growall Mfg. Co. Plunger diaphragm pump. 3,304,870, 2–21–67, Cl. 103—44.
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Grunewald, Herbert: *See*—
Hartung, Sigurd, and Grunewald. 3,332,990.
Scherhag, Bernhard, Hartung, Hausweiler, and Grunewald. 3,297,587.
Grunfeld, Charles. Protective covering. 3,303,851, 2–14–67, Cl. 135—7.1.
Grunfelder, Jean, to Sud-Aviation, Societe Nationale de Construction Auonautiques. Handling truck. 3,332,705, 7–25–67, Cl. 280—408.
Grunfelder, Philip J.: *See*—
Blakeslee, William W., Grunfelder, Nadolny, Sevebeck, and Vogeli. 3,301,958.
Di Iorio, Michael V., Grunfelder, and Sevebeck. 3,359,-369.
Grunwald, Erich, to Siemens-Schuckertwerke Aktiengesellschaft. Magnet for magnetohydrodynamic generators. 3,345,-523, 10–3–67, Cl. 310—11.
Grunwald, Frank M.: *See*—
Parsons, John M., and Grunwald. 3,340,563.
Grunwaldt, Arthur. Article support for a ladder. 3,331,577, 7–18–67, Cl. 248—238.
Grunzweig & Hartman AG.: *See*—
Buchmeier, Eduard. 3,313,075.
Eberle, Hans. 3,357,808.
Kurtze, Günter. 3,349,868.
Gruodis, Algirdas J., to International Business Machines Corp. Tunnel diode polarity inverter. 3,327,130, 6–20–67, Cl. 307—88.5.
Gruodis, Algirdas J., L. K. Lange, and W. H. McAnney, to International Business Machines Corp. Switching circuits employing esaki diodes. 3,348,033, 10–17–67, Cl. 235—175.
Grushkin, Bernard, to W. R. Grace & Co. Phosphonitrillic polymers. 3,351,607, 11–7–67, Cl. 260—39.
Grushkin, Bernard, and R. G. Rice, to W. R. Grace & Co. Chemical process. 3,329,716, 7–4–67, Cl. 260—551.
Grussen, Claude P.: *See*—
Grussen, Jean J. and C. P. 3,330,446.
Grussen, Jean J. and C. P. Spray-heads. 3,330,446, 7–11–67, Cl. 222—213.
Grussner, Andre, E. Lorch, and O. Schneider, to Hoffmann-La Roche Inc. 4-benzenesulfonamido-pyrimidine derivatives. 3,317,536, 5–2–67, Cl. 260—256.5.
Gruter, Bernhard: *See*—
Deicher, Oskar, Peter, and Buchholz. 3,334,469.
Grutsch, James F., E. A. McGee, and R. C. Mallatt, to Standard Oil Co. Copper chloride sweetening process. 3,305,-479, 2–21–67, Cl. 208—192.
Gruver, Jerry T., to Phillips Petroleum Co. Composition comprising the reaction product of a carboxy terminated polymer of a conjugated diene, a polyepoxide containing at least 3 epoxy groups, and an imidazoline accelerator. 3,324,-198, 6–6–67, Cl. 260—836.
Gruver, Jerry T., and G. Kraus, to Phillips Petroleum Co. Compounding procedure for acidic-terminated polymers. 3,354,116, 11–21–67, Cl. 260—41.5.
Gruver, John H., L. W. Seifried, and D. W. Johnson, to Addressograph Multigraph Corp. Dual roller platens in address printing machine. 3,340,800, 9–12–67, Cl. 101—56.
Gryctko, Carl E.: *See*—
Chamberlin, John R., Jr., and Gryctko. 3,324,259.
Gryctko, Carl E., to I-T-E Circuit Breaker Co. Vented mounting block for circuit breaker. 3,328,553, 6–27–67, Cl. 200—168.
Gryctko, Carl E., to I-T-E Circuit Breaker Co. Circuit breaker overload sensing device. 3,328,639, 6–27–67, Cl. 317—41.
Gryctko, Carl E., to I-T-E Circuit Breaker Co. Mounting assembly including front connected separable connectors. 3,328,647, 6–27–67, Cl. 317—119.
Gryctko, Carl E., to I-T-E Circuit Breaker Co. Combination plug-in block with current transformers. 3,328,648, 6–27–67, Cl. 317—119.

Gryctko, Carl E., to I-T-E Circuit Breaker Co. Circuit breaker trip unit assembly with improved thermal characteristics. 3,356,805, 12–5–67, Cl. 200—116.
Grygienc, Lawrence S., R. E. Schauer, and M. R. Winandy, to Automatic Electric Laboratories, Inc. Device for accumulating and indicating pulse data. 3,299,259, 1–17–67, Cl. 235—160.
Gryk, Leon, to Royal Typewriter Co., Inc. Code converter with provision for automatically generating precedence codes. 3,296,614, 1–3–67, Cl. 340—347.
Gryk, Leon, to Royal Typewriter Co., Inc. Code converter with provision for automatically generating precedence codes. 3,319,244, 5–9–67, Cl. 340—347.
Gryk, Leon, to Royal Typewriter Co., Inc. Code converters. 3,320,606, 5–16–67, Cl. 340—347.
Gryting, Harold J.: *See*—
Falterman, Charles W., Griffith, and Gryting. 3,309,250.
Gryzhin, Victor P.: *See*—
Bereslavsky, Alexander L., Nagibin, Chichoogov, Gryzhin, and Koorenkov. 3,319,541.
Speth, Sebastian. 3,352,653.
Grzybowski, Walter. Foot and hand spring-resistance exercising device. 3,298,688, 1–17–67, Cl. 272—83.
Grzybowski, Walter. Spring-biased exercising device. 3,343,837, 9–26–67, Cl. 272—83.
Grzymek, Rolf: *See*—
Gruber, Paul J., and Grzymek. 3,309,821.
Gschwandtner, Eric, to Dominion Electrohome Industries Ltd. Stereophonic decoder for frequency modulated signals. 3,315,037, 4–18–67, Cl. 179—15.
Gsell, Albert: *See*—
Firgau, Werner, and Gsell. 3,344,849.
Gsell, Albert, to Svenska Rotor Maskiner Aktiebolag. Regenerative heat exchanger with stationary heat retaining mass and rotatable connections. 3,302,693, 2–7–67, Cl. 165—4.
Gstalder, Serge A.: *See*—
Raynal, Jean, Gstalder, and Renard. 3,358,783.
Gstalder, Serge, and J. Raynal, to Societe Anonyme: Societe Nationale des Petroles d'Aquitaine. Rotary boring tools operating with jets of fluid. 3,310,126, 3–21–67, Cl. 175—329.
Guadagno, Carmine. Exercising chair. 3,318,633, 5–9–67, Cl. 297—264.
Guadalupi, Mario, to SNAM S.p.A. Process for the separation of ammonia produced in medium and low pressure synthesizing lants. 3,354,615, 11–28–67, Cl. 55—40.
Guaranaschelli, Vincent, to Mutual Industries, Inc. Means for burning the exhaust gases of internal combustion engines. 3,354,635, 11–28–67, Cl. 60—29.
Guard Chemical Co., Inc.: *See*—
Chodsky, Sergey V., and Geraci. 3,297,524.
Guardian Chemical Corp.: *See*—
Globus, Alfred R. 3,328,304.
Guardian Electric Mfg. Co.: *See*—
Dhaens, Edward, Obszarny, and Schmidt. 3,335,240.
Guarino, Michael. Barber razor for double edge blades. 3,350,779, 11–7–67, Cl. 30—55.
Guarino, Peter A., and S. Gardner, to General Precision Inc. Solid state switching circuit. 3,351,780, 11–7–67, Cl. 307—88.5.
Guarino, Richard: *See*—
Elkind, Philip. 3,299,874.
Guarnaccio, Anthony J.: *See*—
Louvar, James J., Guarnaccio, and Symon. 3,330,777.
Guarnaccio, Anthony J., and E. J. Latos, to Universal Oil Products Co. Amine salts of oxyalkylenated hydroxyhydrocarbon thiophosphates. 3,340,329, 9–5–67, Cl. 260—925.
Guarnaschelli, Stephen. High pressure compression fitting for tubing. 3,326,583, 6–20–67, Cl. 285—342.
Guarr, Joseph S., and R. F. Kelley. Flat pack pill dispenser with removable magazine. 3,310,201, 3–21–67, Cl. 221—197.
Guarracini, Joseph, to Radio Corp. of America. Method of making connection to stacked printed circuit boards. 3,316,618, 5–2–67, Cl. 29—155.5.
Guay, Joseph A.: *See*—
Killoran, Joseph L., Barnett, and Guay. 3,354,250.
Gubb, Kenneth F.: *See*—
Kemp, Kenneth A. W., and Gubb. 3,314,406.
Gubb, Kenneth F., and A. H. Seilly, to C.A.V. Ltd. Starting mechanism for internal combustion engines. 3,358,667, 12–19–67, Cl. 123—179.
Gubeli, Ferdinand, to Ferag, Fehr & Reist AG. Apparatus for dividing a stream of copies of folded newspapers, periodicals or other similar commodities continuously following one another in succession. 3,313,221, 4–11–67, Cl. 93—93.
Gubela, Hans E.: *See*—
Nier, Erich-Arthur and R. E., and Gubela. 3,359,671.
Guber, Fred H., Jr., and R. S. Kleppe, to Esso Research and Engineering Co. High temperature cyclone. 3,327,456, 6–27–67, Cl. 55—269.
Gübeli, Ferdinand, to Ferag, Fehr & Reist A.G. Apparatus for stacking copies of folded newspapers, periodicals or other similar articles. 3,331,516, 7–18–67, Cl. 214—6.
Guberman, Herbert D.: *See*—
Axelrod, Norman N., Guberman, Schwartz, and Vromen. 3,320,500.
Gubler, Kurt, to J. R. Geigy A.G. Pyrazole carbamic acid esters. 3,342,832, 9–19–67, Cl. 260—310.
Guckel, Gerhart A., to James Dole Engineering Co. Sterilizer for container covers. 3,323,856, 6–6–67, Cl. 21—78.
Guckel, Gerhart A., to James Dole Engineering Co. Container seamer and enclosure therefor. 3,349,542, 10–31–67, Cl. 53—112.
Guddal, Karl. Method of making a wall structure. 3,353,322, 11–21–67, Cl. 52—744.
Gude, Fritz: *See*—
Schmitt, Karl, and Gude. 3,352,830.
Schmitt, Karl, and Gude. 3,352,835.
Schmitt, Karl, and Gude. 3,352,836.
Schmitt, Karl, and Gude. 3,352,942.
Gudelis, David A., to Esso Research and Engineering Co. Process of preparing biodegradable alkylbenzene sulfonates by dimerizing an olefin of 5 to 10 carbon atoms with a silica-alumina catalyst. 3,351,654, 11–7–67, Cl. 260—505.
Gudenschwager, Philip F.: *See*—
Couleur, John F., Gudenschwager, and Shelly. 3,298,001.
Couleur, John F., Gudenschwager, and Shelly. 3,308,442.
Couleur, John F., Gudenschwager, and Shelly. 3,308,443.
Couleur, John F. Gudenschwager, Shelly, and Bahrs. 3,310,785.
Gudernatsch, Hugo: *See*—
Sennewald, Kurt, Erpenbach, and Gudernatsch, and Vogt. 3,346,637.
Gudmundsen, Austin, to McCulloch Corp. Spring starter for internal combustion engines. 3,306,277, 2–28–67, Cl. 123—185.
Gudmundson, Clark. Portable and towable boat trailer. 3,339,217, 9–5–67, Cl. 9—1.
Guebert, Kenneth W., and I. C. Jones, Jr., to The Dow Chemical Co. Coated filter aids. 3,352,424, 11–14–67, Cl. 210—502.
Guedry, Harry R., 50% to Associated Ideas, Inc. Cutting mechanism. 3,306,508, 2–28–67, Cl. 225—97.
Guegold, Howard W. Mobile vehicle for food storage. 3,314,688, 4–18–67, Cl. 280—47.37.
Guelda, Eugene J.: *See*—
Townsend, Merlyn E., Guelda, and La Rue. 3,311,956.
Guenel, Claude: *See*—
Gallet, Georges, and Guenel. 3,348,284.
Guengant, Paul, to Brown, Boveri, & Cie, Aktiengesellschaft. Turbine blading. 3,328,867, 7–4–67, Cl. 29—156.8.
Guenthard, Jacques: *See*—
Capponi, Miro, Guenthard, and Senn. 3,338,658.
Guenthard, Jacques, to Sandoz Ltd., also known as Sandoz A.G. Process for the dyeing of synthetic polyamides. 3,320,021, 5–16–67, Cl. 8—39.
Guenthard, Jacques, to Sandoz Ltd. (also known as Sandoz A.G.). Water-soluble reactive dyes containing halopyrimidine-5-carboxamido groups. 3,342,797, 9–19–67, Cl. 260—146.
Guenther, Gordon B., to Industrial Electronic Rubber Co. Resilient needle valve element. 3,326,520, 6–20–67, Cl. 251—358.
Guenthner, Richard A.: *See*—
Lazerte, James D., and Guenthner. 3,321,445.
Guerin, Ange P., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Pressure-signal amplifying device, especially applicable to the regulation of aircraft in flight during landing-approach. 3,324,870, 6–13–67, Cl. 137—82.
Guerin, Edmond H., Jr.: *See*—
Adams, Samuel F., and Guerin. 3,321,901.
Guerin, Jean, and J. Aigueperse, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Anhydrous sodium cyanide and process for preparation of same. 3,323,860, 6–6–67, Cl. 23—79.
Guernet, Jacques, to C.A.M.E.C.A.-Compagnie d'Applications Mecaniques a l'Electronique, au Cinema et a l'Atomistique. Micropositioning mechanism. 3,318,593, 5–9–67, Cl. 269—60.
Guernet, Jacques, to Compagnie d'Applications Mecaniques a l'Electronique au Cinema et a l'Atomistique (CAMECA). Automatic film threading and rewinding apparatus. 3,333,783, 8–1–67, Cl. 242—55.12.
Guernet, Jacques, and Jean-Michel Rouberol, to Compagnie d'Applications Mecaniques a l'Electronique, au Cinema et a l'Atomistique. Slidable window for X-ray microanalyzers selectively permeable to hard or soft X-rays. 3,319,064, 5–9–67, Cl. 250—49.5.
Guernsey, Darius A.: *See*—
Schmidt, Lewis W. 3,326,319.
Guernsey, Frank A.: *See*—
Schmidt, Lewis W. 3,326,319.
Guernsey, J. D.: *See*—
Ruminsky, Paul P., and Brauchla. 3,356,112.
Guernsey, John B., to Crucible Steel Co. of America. Method of rolling steel. 3,296,846, 1–10–67, Cl. 72—200.
Guernsey, Richard H., to Creative Packaging Inc. Collapsible paperboard box. 3,332,600, 7–25–67, Cl. 229—20.
Guerout, Jean-Bernard, and M. Lafond, to AMP Inc. Crimping presses for crimping connector elements onto conductor means and the method therefor. 3,299,690, 1–24–67, Cl. 72—330.
Guerra, Alberto: *See*—
Ferrari, Alsides, Guerra, and Taramasso. 3,299,827.
Guerra, John A.: *See*—
Wollek, Raymond F., and Guerra. 3,313,635.
Guerrieri, Salvatore A., to The Lummus Co. Process for producing high purity oxygen by chemical means. 3,310,381, 3–21–67, Cl. 23—221.
Guerrieri, Salvatore A., to The Lummus Co. Process for recovering the alkali metal content of spent pulping liquor. 3,323,858, 6–6–67, Cl. 23—48.

Guerrieri, Salvadore A., to The Lummus Co. Method of recovering chemicals from spent pulping liquors. 3,353,906, 11–21–67, Cl. 23—48.

Guerth, Fritz A. Force measuring apparatus. 3,302,456, 2–7–67, Cl. 73—136.

Guerth, Fritz A., to United States of America, Navy. Apparatus for compensating for magnetic tape speed variations during playback. 3,306,987, 2–28–67, Cl. 179—100.2.

Guerth, Fritz A. Pulse generating apparatus. 3,317,742, 5–2–67, Cl. 307—88.

Guerth, Fritz A. Magnetic recording head. 3,333,275, 7–25–67, Cl. 346—74.

Guertin, Robert W.: *See*—
Boudot, William D., and Guertin. 3,341,075.

Guest, Dorothy J., and W. I. Williamson, to Imperial Chemical Industries Ltd. Detergent compositions. 3,326,807, 6–20–67, Cl. 252—152.

Guest, Howard R.: *See*—
Smith, Keith L., Winslow, Guest, and Kiff. 3,311,569.

Guest, John E., to Kelsey-Hayes Co. Automatic adjuster for drum brakes. 3,358,795, 12–19–67, Cl. 188—79.5.

Guetet, Robert C. M. Apparatus for blowing comminuted treating material onto plants and the like. 3,339,846, 9–5–67, Cl. 239—304.

Guettel, Marvin A., and C. F. Meyer, to Square D. Co. Monitor for detecting change in resistance between welded parts during welding current flow. 3,345,493, 10–3–67, Cl. 219—110.

Guettier, Michel, to Regie Nationale des Usines Renault. Pressure limiting devices for hydraulic brakes. 3,359,729, 12–26–67, Cl. 60—54.5.

Guevara, Antonio, Jr.: *See*—
Layne, Max E., Guevara, and Young. 3,326,608.

Guex, Waldemar: *See*—
Erlemann, Gustav, Guex, and Schnider. 3,322,635.

Guffy, Willie E., and W. B. Lincoln, Jr., to Inland Container Corp. Scoring device. 3,314,339, 4–18–67, Cl. 93—58.1.

Gugeler, Albert L.: *See*—
Bryant, Eugene E., and Gugeler. 3,298,860.

Guggenaster, Julius A.: *See*—
DeMastry, Anthony J., and Guggenaster. 3,296,694.

Guggenbeger, Johann, L. Renkamp, K.-H. Finger, and R. Mnilk, to Holstein & Kappert Maschinenfabrik Phonis, G.m.b.H. Apparatus for mixing liquids with gases. 3,313,093, 4–11–67, Cl. 55—170.

Guggenbuhl, Walter, to Contraves Ag. Circuit arrangement for changing two electrical analog quantities. 3,327,231, 6–20–67, Cl. 329—167.

Guglielmelli, Joseph: *See*—
Pawlikowski, Louis J., and Guglielmelli. 3,323,803.

Guglielmetti, Leonardo: *See*—
Siegrist, Adolf E., Maeder, Liechti, and Guglielmetti. 3,351,591.
Siegrist, Adolf E., Maeder, Liechti, and Guglielmetti. 3,351,592.

Guglielmi, Antonio, to Ducati Elettrotechnica S.p.A. Static apparatus for regulating the recharging of batteries with current supplied by a three-phase generator. 3,320,509, 5–16–67, Cl. 320—39.

Guhl, Jay R., and L. J. Wirth; said Guhl assor. to said Wirth. Collating rack. 3,327,869, 6–27–67, Cl. 211—50.

Guhl, Richard E.: *See*—
Kress, Ralph H., Guhl, and Klecker. 3,323,610.

Guhring, Knut, to Gottlieb Guhring Ebingen. Machine tool. 3,309,819, 3–21–67, Cl. 51—95.

Guibert, Raul. Air curtain, ventilating system and air pump therefor. 3,350,994, 11–7–67, Cl. 98—36.

Guice, Wilma A.: *See*—
Ellzey, Samuel E., Jr., Wittman, Connick, and Guice. 3,338,968.

Guichet, Niles F. Dental articulator and method of use. 3,343,264, 9–26–67, Cl. 32—32.

Guichet, Niles F. Dental apparatus and method. 3,350,782, 11–7–67, Cl. 32—32.

Guichet, Niles F. Dental articulators and clutch fabrication. 3,359,639, 12–26–67, Cl. 32—32.

Guida, Thomas P.: *See*—
Bussolini, Jacob J., Guida, and Stone. 3,325,379.

Guido, Lawrence J., to Burroughs Corp. Actuating mechanism for multiple position devices. 3,302,484, 2–7–67, Cl. 74—625.

Guiducci, Lino: *See*—
Charault, Jean-Claude, Cogez, and Guiducci. 3,331,608.
Cogez, Paul, and Guiducci. 3,309,281.

Guiducci, Mariano A.: *See*—
Fried, Josef, and Guiducci. 3,314,946.

Guiducci, Mariano A., and P. P. Lemanski, to E. R. Squibb & Sons, Inc. 20-(aliphatic hydrocarbonoxy)- and 20-(substituted aliphatic hydrocarbon oxy)-pregnene-11-oxygenated-3-ones. 3,351,636, 11–7–67, Cl. 260—397.1.

Guiducci, Mariano A., and N. C. Kraemer, to E. R. Squibb & Sons, Inc. 12,20-dimethyl-Δ^4-pregnene-3,20-dione steroids and derivatives thereof. 3,351,637, 11–7–67, Cl. 260—397.1.

Guienne, Paul F.: *See*—
Bertin, Jean H., and Guienne. 3,330,384.
Bertin, Jean H., and Guienne. 3,332,361.
Bertin, Jean H., and Guienne. 3,332,508.
Bertin, Jean H., and Guienne. 3,339,654.
Bertin, Jean H., and Guienne. 3,347,170.

Guienne, Paul F., to Bertin & Cie. Skirts for surface effect devices to reduce drag and air cushion disturbances. 3,339,655, 9–5–67, Cl. 180—7.

Guienne, Paul F., and M. H. J. Faure, to Bertin & Cie. Raisable flexible skirt for fluid-cushion sustained vehicles. 3,327,799, 6–27–67, Cl. 180—7.

Guier, William. Clutch between a source of power and a member to be rotated. 3,308,691, 3–14–67, Cl. 81—54.

Guignard, Boris, to Rexall Drug and Chemical Co. Means for the manufacture of plastic containers. 3,343,210, 9–26–67, Cl. 18—5.

Guilbert, Inc.: *See*—
Guilbert, Nicholas R., Jr. 3,337,070.
Guilbert, Nicholas R., Jr. 3,341,037.
Metz, Louis P. 3,352,059.

Guilbert, Nicholas R., Jr., to Guilbert, Inc. Loading and unloading apparatus for dumb waiters and the like. 3,337,070, 8–22–67, Cl. 214—95.

Guilbert, Nicholas R., Jr., to Guilbert, Inc. Vehicle positioning apparatus. 3,341,037, 9–12–67, Cl. 214—38.

Guild Arts & Crafts, Inc.: *See*—
Baues, Dietrich. 3,357,067.

Guild, Charles L., to Shell Oil Co. Clamp for coupling pile shell to mandrel. 3,308,627, 3–14–67, Cl. 61—53.7.

Guild, Charles L., to Shell Oil Co. Expansible mandrels. 3,335,574, 8–15–67, Cl. 61—53.72.

Guild, Glen H.: *See*—
Chopra, Sohinder N., and Guild. 3,344,218.

Guild Metal Joining Equipment Co.: *See*—
Wheeler, Donald J., and Lohrenz. 3,334,211.

Guild Molders, Inc.: *See*—
Abrams, Gilbert L. 3,295,711.

Guildline Instruments Ltd.: *See*—
Sutcliffe, Jack. 3,311,813.

Guiler, Robert L., to Sta-Rite Products, Inc. Drain mounted hydrotherapeutic apparatus for bathtub. 3,345,982, 10–10–67, Cl. 128—66.

Guilhamat, Louis, to M. Berliet Automobiles. Self-adjusting brake cylinder for automotive vehicle. 3,338,352, 8–29–67, Cl. 188—196.

Guillen, John, and D. W. Johnson, Circuit for determining the frequency of occurrence of random noise excursions in an intelligence signal. 3,351,857, 11–7–67, Cl. 324—103.

Guillet, Henri: *See*—
Calame-Longjean, Andre, Palli, and Guillet. 3,350,565.

Guillet, James E.: *See*—
Coover, Harry W., Jr., McCall, and Guillet. 3,299,181.

Guillet, James E., and E. B. Towne, to Eastman Kodak Co. Diperoxycarbonic acid anhydrides and polymerization processes employing same. 3,316,228, 4–25–67, Cl. 260—89.1.

Guillet, James E., and R. L. Combs, to Eastman Kodak Co. Film forming thermoplastic compositions of improved moisture fogging resistance. 3,321,455, 5–23–67, Cl. 260—94.9.

Guillet, James E., and E. B. Towne, to Eastman Kodak Co. Hydrocarbyl and methoxyhydrocarbyl esters of diperoxy carbonic acid. 3,337,602, 8–22–67, Cl. 260—463.

Guillet, James E., and E. B. Towne, to Eastman Kodak Co. Peroxydicarboxylic acid esters and polymerization processes employing same. 3,341,507, 9–12–67, Cl. 260—89.1.

Guillet, James E., and E. B. Towne, to Eastman Kodak Co. Peroxide catalysts and polymerization processes employing the same. 3,352,926, 11–14–67, Cl. 260—610.

Guillette, Robert A., to Polaroid Corp. High voltage regulator-switch for bi-layer kinescope. 3,330,990, 7–11–67, Cl. 315—31.

Guillon, Jacques S., to Massey-Ferguson Industries Ltd. Adjustable shelf support. 3,351,313, 11–7–67, Cl. 248—246.

Guillon, Lucien. Adjustable support. 3,353,196, 11–21–67, Cl. 5—327.

Guillon, Pierre, and A. Valantin, to Charbonnages de France. Cutting drum for coal-cutting machines. 3,325,219, 6–13–67, Cl. 299—89.

Guillon, Pierre, and A. Valantin, to Charbonnages de France. Cutting auger. 3,325,220, 6–13–67, Cl. 299—90.

Guillot, Claude, to Compagnie des Ateliers et Forges de la Loire (St. Chamond, Firminy, St. Etienne, Jacob-Holtzer). Metal sheet and strip flattening apparatus. 3,326,026, 6–20–67, Cl. 72—163.

Guillot, Claude, to Compagnie des Ateliers et Forges de la Loire (St. Chamond, Firminy, St. Etienne, Jacob-Holtzer). Rolling mills having hydraulic pressure control. 3,333,453, 8–1–67, Cl. 72—245.

Guin, Joel B. Rotating combination heater-turbines. 3,312,065, 4–4–67, Cl. 60—108.

Guin, Joel B. Extensible airplane wings. 3,312,428, 4–4–67, Cl. 244—43.

Guin, Joel B. Powered water-ski surf-boards. 3,313,265, 4–11–67, Cl. 115—70.

Guin, Joel B. Exhaust purifying system. 3,331,201, 7–18–67, Cl. 60—30.

Guin, Joel B. Automobile tires. 3,331,423, 7–18–67, Cl. 152—313.

Guin, Joel B. Aircraft in-flight unloading system. 3,331,572, 7–18–67, Cl. 244—137.

Guin, Joel B. Compact mass rapid transit car. 3,349,723, 10–31–67, Cl. 105—344.

Guin, Joel B. High pressure jumping stick. 3,351,342, 11–7–67, Cl. 272—57.

Guinet, Philippe: *See*—
Blum, Pierre, Guinet, and Vaugoyeau. 3,336,116.

Guingand, Jean R., to Heurtey, Societe Anonyme. Apparatus for heat treating spools of open-wound metal strip. 3,309,073, 3–14–67, Cl. 266—5.

Guinn, David F.: *See*—
Fuhr, William H., Guinn, and Halpern. 3,319,229.

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Hain, Paul O., to U.S. Plywood-Champion Papers Inc. Production of coated paper utilizing aqueous coatings containing a major weight proportion based on solids of heat softenable resin and utilizing non-equilibrium moisture conditions and shearing forces. 3,338,736, 8–29–67, Cl. 117—64.
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Hagedorn, Erwin C., and Hall. 3,351,475.
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Hall, Raymond L. Swimming pools. 3,317,926, 5–9–67, Cl. 4—172.
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Hall, Reginald H. and A. H. P., to The Distillers Co. Ltd. Production of pyridine. 3,306,905, 2–28–67, Cl. 260—290.
Hall, Richard D., to General Electric Co. Starter drive arrangements. 3,359,808, 12–26–67, Cl. 74—7.
Hall, Richard H., and M. Levy, to Xerox Corp. Cyclical xerographic process utilizing a selenium-tellurium xerographic plate. 3,355,289, 11–28–67, Cl. 96—1.4.
Hall, Robert A.: *See*—
Garden, William D., and Hall. 3,323,937.
Hall, Robert E., to The Dow Chemical Co. Secondary waste water treatment apparatus. 3,301,401, 1–31–67, Cl. 210—150.
Hall, Robert G., to Formatic, Inc. Method and apparatus for making patties. 3,347,176, 10–17–67, Cl. 107—4.
Hall, Robert N., to General Electric Co. Semiconductor strain sensitive devices and method of making the same. 3,331,124, 7–18–67, Cl. 29—577.
Hall, Robert N., to General Electric Co. Method for producing homogeneous crystals of mixed semiconductive materials. 3,335,084, 8–8–67, Cl. 252—62.3.
Hall, Robert N., to General Electric Co. Semiconductor junction laser device. 3,359,507, 12–19–67, Cl. 331—94.5.
Hall, Robert N., to General Electric Co. High power junction laser structure. 3,359,508, 12–19–67, Cl. 331—94.5.
Hall, Robert N., to General Electric Co. Semiconductive junction laser with temperature compensation. 3,359,509, 12–19–67, Cl. 331—94.5.
Hall, Robert O.: *See*—
Hodgson, John, and Hall. 3,331,560.
Hall, Roy W., to Aladdin Industries Inc. Mantle with improved mounting. 3,354,674, 11–28–67, Cl. 67—101.
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Savage, Phillip D. 3,319,740.

Hall, Suzanne P. (nee Barton), B. Ellis, and V. Petrow, to The British Drug Houses Ltd. Progestational compositions comprising 17α-acetoxy-6,16-dimethyl pregna-4,6-diene-3,20-dione. 3,330,728, 7–11–67, Cl. 167—74.
Hall, Teller B. Cutting tool. 3,299,491, 1–24–67, Cl. 29—96.
Hall, Theodore W. Device for perforating and sorting indicia bearing cards. 3,326,219, 6–20–67, Cl. 129—16.1.
Hall, Thomas A., to The Youngstown Sheet and Tube Co. Apparatus for and method of production of steel. 3,301,-664, 1–31–67, Cl. 75—60.
Hall, Trevor W. Composite construction including elongated sealing and anchor members. 3,328,934, 7–4–67, Cl. 52—597.
Hall, Turner, Corp.: *See*—
Shansky, Albert. 3,340,000.
Hall, Vera M. Sandwich holder. 3,319,682, 5–16–67, Cl. 146—150.
Hall, Vriel A. Portable source of fluid. 3,348,572, 10–24–67, Cl. 137—344.
Hall, Walter B., Jr., to General Motors Corp. Refrigerating apparatus. 3,305,162, 2–21–67, Cl. 230—47.
Hall, Walter H., to Yarway Corp. Means for interconnecting valve members. 3,326,513, 6–20–67, Cl. 251—86.
Hall, Walter J., to Bell & Howell Co. Slide projector in combination with a sound tape and transparency slide holder. 3,353,443, 11–21–67, Cl. 88—28.
Hall, Walter J., to General Aniline & Film Corp. Slide tray. 3,353,667, 11–21–67, Cl. 206—73.
Hall, Walter L., to General Electric Co. Product and process for preparing poly(2,6-xylylsulfonates). 3,337,512, 8–22–67, Cl. 260—79.3.
Hall, Warren D. Lighting apparatus. 3,351,750, 11–7–67, Cl. 240—3.
Hall, William H. and J. D. Conveyor apparatus. 3,348,656, 10–24–67, Cl. 198—64.
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Hall, Winfield E., Jr., to The Greif Bros. Cooperage Corp. Paperboard drums and a method and apparatus for mounting the end closures thereon. 3,322,046, 5–30–67, Cl. 93—39.1.
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Halla, Ottokar, to Siemens-Schuckertwerke Aktiengesellschaft. Hall generator. 3,348,184, 10–17–67, Cl. 338—32.
Hallauer, John, 50% to A. W. O'Rourke. Anchor apparatus. 3,336,893, 8–22–67, Cl. 114—208.
Hallauer, William J., and B. L. Potts, to Ford Motor Co. Spark plug having the center electrode sheath with a nickel alloy. 3,356,882, 12–5–67, Cl. 313—141.
Hallberg, John E., to W. H. Miner, Inc. Adjustable lever mount. 3,313,563, 4–11–67, Cl. 292—1.
Hallberg, John E., to W. H. Miner, Inc. Door fastening means. 3,347,583, 10–17–67, Cl. 292—194.
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Hallden, Karl W., to The Hallden Machine Co. Flying shear providing for multiple minimum cut-lengths and further variable cut-lengths. 3,327,5578, 6–27–67, Cl. 83—287.
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Hallen, Gosta. Valves. 3,332,437, 7–25–67, Cl. 137—516.29.
Hallen, Robert L., and R. M. Valletta, to International Business Machines Corp. Method and apparatus for cathode sputtering including suppressing temperature rise adjacent the anode using a localized magnetic field. 3,330,752, 7–11–67, Cl. 204—192.
Hallenbeck, Robert V. and S. R. Rotary engine. 3,318,291, 5–9–67, Cl. 123—8.
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Hallenbeck, Robert V. and S. R. 3,318,291.
Hallendorff, Richard H., to United States of America, Navy. Radome phase compensating system. 3,316,549, 4–25–67, Cl. 343—7.4.
Hallene, Alan M., J. J. Drexler, and H. J. Holuba, to Montgomery Elevator Co. Door operating control for automatic elevators. 3,301,350, 1–31–67, Cl. 187—52.
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Haller, John. Method of molding an elongated powdered material composite compact. 3,309,445, 3–14–67, Cl. 264—111.
Haller, John, to Federal-Mogul-Bower Bearings, Inc. Method of joining sintered bodies by deformable couplings. 3,320,-663, Cl. 5–23–67, Cl. 29—420.
Haller, John, to Federal-Mogul-Bower Bearings, Inc. Construction and process for uniting sintered powdered metal parts. 3,324,544, 6–13–67, Cl. 29—521.
Haller, John, to Federal Mogul-Bower Bearings, Inc. Method of mechanically-uniting sintered powdered metal parts. 3,341,932, 9–19–67, Cl. 29—432.
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Haller, Richard. Braking device for internal combustion engines. 3,326,194, 6–20–67, Cl. 123—97.
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Halleux, Hubert, to Societe Alsacienne de Constructions Mecaniques. Stop motion for textile machinery for processing slivers, roves, or yarns. 3,327,464, 6–27–67, Cl. 57—83.
Halley, Angus M., to James Halley & Sons Ltd. Intermittent drive mechanisms for a printing machine web feed roll. 3,301,076, 1–31–67, Cl. 74—125.5.
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Halley, Robert, and W. B. Allen, to United States of America, Navy. Delay line time compressor for spectrum analysis. 3,337,800, 8–22–67, Cl. 324—77.
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Baker, Eugene E., and Boehm. 3,322,197.
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Brown, Timothy D. 3,318,393.
Brown, Timothy D. 3,346,049.
Chisholm, Pat T. W. 3,358,755.
Copland, George V. 3,302,104.
Dill, Walter R. 3,319,716.
Evans, Robert T. 3,308,886.
Farley, David L. 3,305,023.
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Frame, Robert H. 3,333,108.
Frye, James A. 3,348,569.
Harris, Allen E., Medford, and Carter. 3,332,499.
Holden, John C. 3,339,637.
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Homrig, Horace J. 3,352,963.
Howe, Thomas W. 3,342,479.
Hulme, Jack R. 3,299,702.
Hyde, Walter E. 3,354,950.
Johnson, Billy J., and George. 3,360,046.
Knox, John A. 3,319,714.
Knox, John A., and Adcock. 3,323,595.
Knox, John A., and Billings. 3,360,399.
Knox, John A., and Dill. 3,343,602.
Mason, John F., and Emery. 3,322,608.
Mason, John F., Emery, and Speegle. 3,323,840.
Medford, Erskin L., Jr. 3,303,884.
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McDoulett, Claude D., and Tucker. 3,319,158.
McLaughlin, Homer C. 3,334,689.
Owsley, William D. 3,306,364.
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Page, Howard O., and Atteberry. 3,352,606.
Paramore, Edwin L., Glazner, and Koch. 3,312,296.
Pittman, Forrest C., and Moffatt. 3,338,305.
Pittman, Forrest C. 3,326,288.
Pittman, Forrest C. 3,331,456.
Seay, Orum E. 3,301,410.
Slagle, Knox A. 3,340,929.
Thompson, William S., Jr., Frazier, and Morrisett. 3,346,-002.
Turja, Richard H., and Urness. 3,328,600.
Walton, John F. 3,303,417.
Waterman, Willis D. 3,295,327.
Waterman, Willis D. 3,307,361.
Waterman, Willis D. 3,309,883.
Waterman, Willis D. 3,352,116.
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Halliday, George, to P. D. Rosengarten. Method and apparatus for tensioning material. 3,317,333, 5–2–67, Cl. 117—7.
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Halling, Michael A., to United States of America, Navy. Summit sensing guidance initiation device. 3,332,642, 7–25–67, Cl. 244—3.15.
Halliwell, Ronald H., to E. I. du Pont de Nemours and Co. Process for the manufacture of perfluoroolefins. 3,306,940, 2–28–67, Cl. 260—653.3.
Hallman, Norman R., to Square D Co. Transposition section for lay-in duct. 3,338,599, 8–29–67, Cl. 285—121.
Hallmark Cards, Inc.: *See*—
Kolster, Harvey L. 3,302,797.
Krekovich, James J. 3,340,133.
Otto, Stanley W. 3,302,558.
Wood, Gerald L. 3,352,478.
Hallmark, William C., to Ling-Temco-Vought, Inc. Fixtaking means and method. 3,328,795, 6–27–67, Cl. 343—7.
Hallock, Edward C. Joint covers. 3,331,171, 7–18–67, Cl. 52—278.
Hallock, Edward C. Expansion joint filler. 3,344,720, 10–3–67, Cl. 94—18.
Hallowell, Fulton W., Jr., to R. E. Hartung Co., Inc. Method and apparatus for filling and heat-sealing plastic containers. 3,309,836, 3–21–67, Cl. 53—39.
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Halls, Lawrence M., and H. G. McCarty, to Sperry Rand Corp. Conditioner attachment. 3,298,161, 1–17–67, Cl. 56—1.
Halls, Lawrence M., and H. G. McCarty, to Sperry Rand Corp. Combination header and crop conditioning unit therefor. 3,306,014, 2–28–67, Cl. 56—23.
Halls, Lawrence M., E. E. Koch, and H. G. McCarty, to Sperry Rand Corp. Power transmission control means. 3,319,493, 5–16–67, Cl. 74—792.
Halls, Lawrence M., and H. G. McCarty, to Sperry Rand Corp. Auger header and crop conditioner. 3,324,639, 6–13–67, Cl. 56—23.
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Halmar Electronics, Inc.: *See*—
Haley, Thomas L. 3,323,056.
Haley, Thomas L. 3,323,057.
Halmekyto, Kaarlo K., to Oy Tampella Ab. Press, particularly intended for compression of bark. 3,356,015, 12–5–67, Cl. 100—95.
Halmenschlager, Josef. Disposeable oil filter for automobile engines. 3,307,705, 3–7–67, Cl. 210—443.
Halmi, Gabor, and R. Advani, to Hans J. Zimmer Verfahrenstechnik. Polyethylene terephthalate production. 3,297,650, 1–10–67, Cl. 260—75.
Halmi, Gabor, and R. Advani, to Hans J. Zimmer Verfahrenstechnik. Process for the production of spinnable polyesters. 3,297,651, 1–10–67, Cl. 260—75.
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Halpine, Joseph C., and Moroney. 3,295,357.
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Halpaap, Herbert, W. Reich, H. Rossler, and D. Waldi, to E. Merck Aktiengesellschaft. Chromatoplate for use in thin layer chromatography. 3,303,043, 2–7–67, Cl. 117—33.5.
Halpenny, Merle B., to Dominion Bridge Co. Ltd. Equallizing roller paths for load bearing rollers. 3,326,002, 6–20–67, Cl. 61—28.
Halper, Walter M., and F. D. Moss, to Shell Oil Co. Preparation of latices from organic solvent solutions of elastomers. 3,310,515, 3–21–67, Cl. 260—29.7.
Halperin, Bernard I., J. J. McKinney, and R. I. Eldred, Jr., to General Aniline & Film Corp. Two-component diazotype light-sensitive photoprinting material susceptible to thermal development. 3,301,679, 1–31–67, Cl. 96—75.
Halpern, Alfred, and E. J. Sasmor, to Synergistics, Inc. Choline salicylate polygalacturonate therapy. 3,326,760, 6–20–67, Cl. 167—65.
Halpern, Alfred, and M. D. and R. R. Sackler, 60% to Gray Pharmaceutical Co., and 40% to Synergistics, Inc. Ammoniated mercury salicylate and preparation thereof. 3,360,-535, 12–26–67, Cl. 260—434.
Halpern, Herman: *See*—
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Bowers, Albert, and Halpern. 3,314,943.
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Halpin, Lawrence W., to United Control Corp. Signal controlled on-off maximum power transfer system. 3,358,218, 12–12–67, Cl. 323—22.
Halpin, Martin J., and D. Woollatt, to Worthington Corp. Self-lubricating system particularly adaptable for use in high pressure compressors. 3,315,881, 4–25–67, Cl. 230—206.
Halpine, Joseph C., and B. M. Moroney, to Halmor Industries, Inc. Calibrating meters. 3,295,357, 1–3–67, Cl. 73—3.
Hals, Finn A., to Avco Corp. Means for and method of recovering alkalis from products of combustion. 3,303,364, 2–7–67, Cl. 310—11.
Halsall, Harold S., to Kennedy Van Saun Mfg. & Eng. Corp. Overload release clutch with lock out means. 3,307,664, 3–7–67, Cl. 192—56.
Halsall, Vincent M., to Globe-Union Inc. Battery including improved venting system. 3,360,403, 12–26–67, Cl. 136—170.
Halsey, Brenton S.: *See*—
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Halsey, David C., to Chrysler Corp. Hydraulic pump. 3,359,-913, 12–26–67, Cl. 103—136.
Halsey, Davis. Multi-stage evacuating device. 3,344,523, 10–3–67, Cl. 32—33.
Halsey, Homer P., to Reserve Mining Co. Tramp metal detector. 3,344,346, 9–26–67, Cl. 324—41.
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Halstead, Donald B.: 33⅓% each to N. M. White and I. L. Roger. Nail packaging device. 3,303,632, 2–14–67, Cl. 53—140.
Halstead, Fred E., to Halstead Metal Products, Inc. Self-aligning packing gland arrangements. 3,311,030, 3–28–67, Cl. 92—118.
Halstead, Fred E., to Halstead Metal Products, Inc. Vacuum cleaning apparatus for particulate materials. 3,311,420, 3–28–67, Cl. 302—49.
Halstead, Fred E., to Halstead Metal Products, Inc. Continuous direct chill-type casting unit. 3,354,941, 11–28–67, Cl. 164—283.
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Halstead, Fred E. 3,311,420.
Halstead, Fred E. 3,354,941.
Halstead, Richard S., to Ken Wire & Metal Products, Inc. Display racks for phonograph records in envelopes or jackets, or similar articles. 3,307,708, 3–7–67, Cl. 211—40.
Halstead, William M., and A. D. Saunders; said Saunders assor. to said Halstead. Hand tool for cutting transistor leads. 3,337,953, 8–29–67, Cl. 30—233.
Halsted, Charles P., to Burroughs Corp. Gated transistor shock excited sinusoidal pulse generator. 3,297,963, 1–10–67, Cl. 331—117.
Halsted, Charles P., to Burroughs Corp. Radar video processor and clutter eliminator. 3,312,969, 4–4–67, Cl. 343—5.
Halsted, Charles P., to Burroughs Corp. Symbol generating apparatus. 3,329,948, 7–4–67, Cl. 340—324.
Halsted, Charles P., S. J. Savinese, and G. Yanishevsky, to Burroughs Corp. Cathode ray tube display device employing constant velocity beam deflection. 3,311,908, 3–28–67, Cl. 340—324.
Halter, Ernest J. Ball bearing assembly. 3,298,759, 1–17–67, Cl. 308—175.
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Haltner, Arthur J., and W. G. Luetzel, to General Electric Co. Graphite lubricating composition of increased load carrying capacity. 3,297,572, 1–10–67, Cl. 252—29.
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Haluska, Loren A., to Dow Corning Corp. Branched siloxane-alkylene oxide copolymers. 3,299,113, 1–17–67, Cl. 260—448.8.
Haluska, Loren A., to Dow Corning Corp. Sulfopropylated, organofunctional silanes and siloxanes. 3,328,449, 6–27–67, Cl. 260—448.2.
Haluska, Loren A., to Dow Corning Corp. Silicone-carbonate resins. 3,338,869, 8–29–67, Cl. 260—46.5.
Haluska, Loren A., to Dow Corning Corp. Organopolysiloxanes. 3,355,425, 11–28–67, Cl. 260—46.5.
Haluska, Loren A., to Dow Corning Corp. Certain pyridylsilane derivatives. 3,355,455, 11–28–67, Cl. 260—297.
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Halverson, Frederick, to American Cyanamid Co. Printed device using coded inks. 3,340,983, 9–12–67, Cl. 197—1.
Halverson, Gordon H. Phonograph record carrier. 3,301,-451, 1–31–67, Cl. 224—45.
Halverson, James E. Egg rack. 3,300,054, 1–24–67, Cl. 211—14.
Halverson, Maynard L., and R. S. Patch, to Sweden Freezer Mfg. Co. Dispensing freezer with flavor selection. 3,330,129, 7–11–67, Cl. 62—179.
Halverson, Richard P., to Sperry Rand Corp. Multi-aperture mated thin film memory element. 3,353,169, 11–14–67, Cl. 340—174.
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Halvorsen, Elmer W., and F. S. Russell, to Sleeper and Hartley, Inc. Wire forming machine. 3,351,101, 11–7–67, Cl. 140—1.
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Ferro, Patrick V., and Ham. 3,348,920.
Ham, Coy S.: *See*—
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Miller, Gordon R., Ham, Cobb, and Jensen. 3,336,294.
Ham, George E., to The Dow Chemical Co. (1-aziridinyl) alkyl arylthiocarbamates. 3,312,687, 4–4–67, Cl. 260—239.
Ham, George E., to Gulf Oil Corp. Foamable polymer compositions wherein the blowing agent is the reaction product of an azodicarboxylate and an amine. 3,320,189, 5–16–67, Cl. 260—2.5.
Ham, George E., to Dow Chemical Co. N-containing organosilicon polymer. 3,322,694, 5–30–67, Cl. 260—2.
Ham, George E., to The Dow Chemical Co. Aziridinyl carbamates. 3,337,533, 8–22–67, Cl. 260—239.
Ham, George E., to The Dow Chemical Co. Dicarbamates. 3,341,568, 9–12–67, Cl. 260—468.
Ham, George E., to The Dow Chemical Co. Certain 1-aziridinylalkyl phosphoramide compounds. 3,359,259, 12–19–67, Cl. 260—239.
Ham, George E., and L. Levine, to The Dow Chemical Co. Alkyl(aryloxyethyl)carbamates and process. 3,320,302, 5–16–67, Cl. 260—471.
Ham, George E., and P. M. Phillips, to The Dow Chemical Co. Manufacture of piperazine. 3,324,130, 6–6–67, Cl. 260—268.
Ham, George E., and L. Levine, to The Dow Chemical Co. Ethyl (hydrocarboxyethyl) carbamates. 3,326,962, 6–20–67, Cl. 260—471.
Ham, George E., and J. E. Stevens, to Dow Chemical Co. Polyester-polyamides containing aziridine groups. 3,354,126, 11–21–67, Cl. 260—78.
Ham, Howard M., Jr., to Moseley Associates, Inc. Detection of remote phase modulation of variable frequency carrier. 3,317,838, 5–2–67, Cl. 325—31.
Ham, James H., Jr., J. F. Ritchey, and W. R. Tolman; said Tolman assor. to Western Electric Co., Inc.; said Ham and Ritchey assors. to Bell Telephone Laboratories, Inc. Code transmitter. 3,316,357, 4–25–67, Cl. 17—5.
Ham, Paul D., and A. J. Timpson, to T. A. Harwood. Fish scaling apparatus. 3,304,574, 2–21–67, Cl. 17—5.
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Hamaker, John W., and R. T. Martin, to The Dow Chemical Co. Plant growth control methods and compositions. 3,325,272, 6–13–67, Cl. 71—2.5.
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Hamamura, Yasuji, K. Hayashiya, and K. Naito; said Hayashiya and said Naito assors. to said Hamamura. Feedstuff for silkworms containing aromatic polyhydrocarboxylic acid and method. 3,328,170, 6–27–67, Cl. 99—2.
Hamann, George F., Sr. Precision measuring ruler. 3,303,-570, 2–14–67, Cl. 33—107.
Hamann, Omer F.: *See*—
Compton, Robert H., Hamann, and Steadman. 3,340,420.
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Hamann, Omer F., to Stromberg-Carlson Corp. Electroluminescent display device using plastic foam. 3,317,728, 5–2–67, Cl. 250—71.
Hamann, Omer F., to Stromberg-Carlson Corp. Character generating system utilizing a cathode ray tube in which a portion of a plurality of electron beams are selectively defocussed to form the character. 3,331,985, 7–18–67, Cl. 315—13.
Hamann, Omer F., to Stromberg-Carlson Corp. Astigmatic lens arrangement for cathode ray tubes. 3,349,269, 10–24–67, Cl. 313—78.
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Hamburgen, Arthur, to International Business Machines Corp. Detection and correction of transposition errors. 3,333,243, 7–25–67, Cl. 340—146.1.
Hamburger, Theodore, and J. E. Painter, to Westinghouse Electric Corp. Multi-stable ferroresonant circuit. 3,313,-948, 4–11–67, Cl. 307—88.
Hamby, Jefferson O., and R. H. Chase, to Westinghouse Electric Corp. FM light communications system. 3,351,761, 11–7–67, Cl. 250—199.
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Hamilton, Alan R., to Collins Radio Co. Error avoidance system for sampling type AFC circuit. 3,297,964, 1–10–67, Cl. 332—19.

Hamilton, Alan R., to Rice Barton Corp. Apparatus for liquid removal. 3,357,345, 12–12–67, Cl. 100—158.
Hamilton, Alexander, and J. D. Stewart, to J. R. Geigy, A.G. Process for the halogenation of phthalocyanines. 3,320,276, 5–16–67, Cl. 260—314.5.
Hamilton, Alexander, Jr., and C. D. Hamilton, to St. Joseph Paper Box Co. Carrying container. 3,343,743, 9–26–67, Cl. 229—21.
Hamilton, Allen R., to Consolidated Vacuum Corp. Vaporized material source. 3,313,474, 4–11–67, Cl. 230—69.
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Hamilton, Donald R., S. O'Hara, and R. G. Seidensticker, to Westinghouse Electric Corp. Process for controlling dendritic crystal growth. 3,298,795, 1–17–67, Cl. 23—301.
Hamilton, Douglas D. Delimber. 3,308,861, 3–14–67, Cl. 144—3.
Hamilton, Douglas D., ⅓ to Canadian International Paper Co., ⅓ to Quebec North Shore Paper Co., and ⅓ to Abitibi St. Anne Paper Ltd. Tree processing machine. 3,351,107, 11–7–67, Cl. 144—3.
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Hamilton, Lewis J., to Instant Secretary Service, Inc. Self cleansing spark plug with gas flow directing means. 3,317,774, 5–2–67, Cl. 313—143.
Hamilton, Lyle A., to Mobil Oil Corp. Catalytic inter-esterification. 3,328,439, 6–27–67, Cl. 260—410.9.
Hamilton, Lyle A., to Mobil Oil Corp. Condensation of alkylene oxides. 3,328,467, 6–27–67, Cl. 260—615.
Hamilton, Lyle A., to Mobil Oil Corp. Catalytic conversion of fluorocarbons. 3,337,645, 8–22–67, Cl. 260—653.3.
Hamilton, Lyle A., to Mobil Oil Corp. Production of mono- and di-substituted phosphines. 3,352,925, 11–14–67, Cl. 260—606.5.
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Hamilton, Stephen B., Jr., and H. S. Blanchard, to General Electric Co. 4-(4′-bromo 2′,6′-dimethylphenoxy)-2,6-dimethylphenol and method of preparation. 3,351,667, 11–7–67, Cl. 260—613.
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Hamilton, Vern E., to Douglas Aircraft Co., Inc. Method and means for making ambient light filter. 3,305,422, 2–21–67, Cl. 156—254.
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Hamilton, William R., Jr., to Poor & Co. Molded plastic insulated joints. 3,335,953, 8–15–67, Cl. 238—243.
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Hamlin, James S., to E. I. du Pont de Nemours and Co. Vacuum frame utilizing air inbleed during exposure of photosensitive materials. 3,359,879, 12–26–67, Cl. 95—76.
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Hammond, Robert J., to V-M Corp. Record changer spindle. 3,352,562 11–14–67, Cl. 274—10.
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Hamprecht, Guenther, E. Rother, M. Schwarzmann, and H. D. Fromm, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of melamine from urea. 3,336,310, 8–15–67, Cl. 260—249.7.
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Hanafusa, Tutomu, to Terasaki Denki Sangyo Kabushiki-Kaisha. Automatic circuit interrupter having magnetic blowoff means. 3,317,866, 5–2–67, Cl. 335—16.

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Hansen, David S., and N. V. Basinas, to C. G. Sargent's Sons Corp. Conveyor seals. 3,344,909, 10–3–67, Cl. 198—204
Hansen, Elmer K. End door structure for a wagon box. 3,295,884, 1–3–67, Cl. 296—52.
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Hansen, Erik L. Car top sign. 3,298,122, 1–17–67, Cl. 40—129.
Hansen, Eyvind K., to F. L. Smidth & Co. Method and apparatus for producing pellets of finely divided materials. 3,353,-952, 11–21–67, Cl. 75—3.
Hansen, Francis F. Monoglyceride emulsifier and method of making same. 3,310,408, 3–21–67, Cl. 99—118.
Hansen, Gary L., to General Dynamics Corp. Spring biased relief valve. 3,347,266, 10–17–67, Cl. 137—540.
Hansen, Gerhard. Moulding and sealing machines. 3,325,860, 6–20–67, Cl. 18—5.
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Hansen, Hans R. A., and R. C. Van Schaack, to Imperial Electric Co. Jerkless pattern signal for motor acceleration. 3,350,612, 10–31–67, Cl. 318—143.
Hansen, Harry P. Snow bicycle. 3,318,403, 5–9–67, Cl. 180—5.
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Hansen, Jerry A., Jr., to A. O. Smith Harvestore Products, Inc. Storage structure. 3,318,229, 5–9–67, Cl. 99—235.
Hansen, John M. to Scovill Mfg. Co. Electric motor speed control mechanism. 3,304,383, 2–14–67, Cl. 200—80.
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Hansen, John M., to Scovill Mfg. Co. Power operated knife safety switch. 3,358,108, 12–12–67, Cl. 200—157.
Hansen, John M., to Scovill Mfg. Co. Power operated single blade knife. 3,359,637, 12–26–67, Cl. 30—272.
Hansen, John M., to Scovill Mfg. Co. Mechanism to convert rotating action to reciprocating action at reduced speed. 3,359,810, 12–26–67, Cl. 74—60.
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Hansen, Kenneth W., and F. P. Shonkwiler, to Harbison-Walker Refractories Co. Furnace construction. 3,301,546, 1–31–67, Cl. 266—43.
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Hansen, Leo J., and M. B. Westover, to Armour and Co. Cheese treating methods. 3,328,176, 6–27–67, Cl. 99—162.
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Hansen, Walter A., and W. Strileckyj, to The Babcock & Wilcox Co. Vapor generator heating gas pass tube support and partition wall construction. 3,310,041, 3–21–67, Cl. 122—510.
Hansen, Warren T., and M. A. Wertheimer, to Gellman Mfg. Co. Sealing station of an article wrapping machine. 3,308,605, 3–14–67, Cl. 53—379.
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Hanslik, Wilhelm, to Anger Plastic-Verarbeitungsmaschinen Gesellschaft m.b.H. & Co. KG. Driving gearing for plastic extruders. 3,359,826, 12–26–67, Cl. 74—665.
Hanslip, Richard E., and J. E. Lyon, to The Mather Co. Torsion bar spring sockets. 3,339,909, 9–5–67, Cl. 267—57.
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Hansom, Bernard S., and W. L. Abigail. Discharge indicator for fluid containers. 3,333,641, 8–1–67, Cl. 169—26.
Hansom, Bernard S., and F. F. Simpson, to Wilkinson Sword Ltd. Safety razors having a flexible razor blade band. 3,349,482, 10–31–67, Cl. 30—40.1.
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Hanson, Charles K., R. M. Horton, and M. E. Wadsworth, to United States of America, Atomic Energy Commission. Method and catalyst for combining hydrogen and oxygen in thorium oxide slurries. 3,312,526, 4–4–67, Cl. 23—204.
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Hanson, Glenn M., R. D. Frans, G. A. Heian, and E. W. Price, to Allis-Chalmers Mfg. Co. Apparatus for making pellet of iron ore and flux. 3,319,949, 5–16–67, Cl. 266—21.
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Hanson, James S., to International Business Machines Corp. Magnetic head structure. 3,340,518, 9–5–67, Cl. 340—174.1.
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Hanson, Rudolph A., E. J. Ziegler, and J. E. Fischer, to Yard Main, Inc. Tractor structure. 3,339,662, 9–5–67, Cl. 180—54.
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Hanze, Arthur R., to The Upjohn Co. New benzoylphenyl carbamates. 3,322,818, 5–30–67, Cl. 260—479.
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Brown, John J., Hardy, and Nora. 3,318,886.
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Hare, George H., to Friden, Inc. Vibratory delay line having novel support. 3,327,252, 6–20–67, Cl. 333—30.

Hare, Harold H. Electronic organ speaker system. 3,346,070, 10–10–67, Cl. 181—31.

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Hargens, Charles W., III, to The Franklin Institute. Optical filamentary photocell device having spaced electrical conductors arranged in a matrix. 3,310,681, 3–21–67, Cl. 250—227.

Hargens, Charles W., III, to The Franklin Institute. Photosensitive self-monitoring drawing plotter using light conducing fibers. 3,335,287, 8–8–67, Cl. 250—227.

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Harling, Donald W., to McGraw-Edison Co. Luminaire optical assembly. 3,329,812, 7–4–67, Cl. 240—93.

Harloff, Hans-Joachim, to Siemens & Halske Aktiengesellschaft. Transformer for low temperatures. 3,319,206, 5–9–67, Cl. 336—218.

Harlow, Willis E., and R. B. Beare, to Borg-Warner Corp. Additive dispenser. 3,316,741, 5–2–67, Cl. 68—207.

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Harm, Alson R., to The Procter & Gamble Co. Apparatus and method for making packages for cylindrical objects. 3,344,-577, 10–3–67, Cl. 53—39.

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Harman, Marion W., and J. J. D'Amico, to Monsanto Co. Herbicidal composition and method. 3,330,643, 7–11–67, Cl. 71—100.

Harman, Marion W., and J. J. D'Amico, to Monsanto Co. Certain thiolcarbamate compounds. 3,330,821, 7–11–67, Cl. 260—239.

Harman, Michael G., to The National Cash Register Co. Superconductive circuitry. 3,299,283, 1–17–67, Cl. 307—88.5.

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Harman, Michael G., to The National Cash Register Co. Associative magnetic memory devices and matrices. 3,341,-828, 9–12–67, Cl. 340—174.

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Harmens, Alexander, to Conch International Methane Ltd. Process for the cold separation of gaseous mixtures with solid-liquid slurry heat exchange. 3,306,057, 2–28–67, Cl. 62—12.

Harmens, Alexander, to Conch International Methane Ltd. Freezing out contaminant methane in the recovery of hydrogen from industrial gases. 3,315,475, 4–25–67, Cl. 62—12.

Harmens, Alexander, to Conch International Methane Ltd. Nitrogen recovery from a gaseous mixture. 3,323,316, 6–6–67, Cl. 62—28.

Harmens, Alexander, to Conch International Methane Ltd. Process for the separation of gaseous mixtures employing a product as refrigerant. 3,331,213, 7–18–67, Cl. 62—18.
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Harmer, David E., to The Dow Chemical Co. Manufacture of ethyl bromide. 3,320,144, 5–16–67, Cl. 204—163.
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Harmon, Darrell R., to W. W. Cornforth. Process of treating soil containing carbonates. 3,337,989, 8–29–67, Cl. 47—58.
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Harmon, Paul G. Railroad crossing rail bed unit. 3,317,-137, 5–2–67, Cl. 238—8.
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Harmon, Robert W., to The Ohio Brass Co. Line support insulator with discharge means. 3,339,116, 8–29–67, Cl. 317—72.
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Harmon, Thomas O., to The Dow Chemical Co. Apparatus for dispensing liquids employing a cup having a foamable coating thereon. 3,299,914, 1–24–67, Cl. 141—82.
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Harms, Clarence L., and R. E. Doerfer, to Doerfer Engineering & Design, Inc. In-feed mechanism for slicing machines. 3,338,283, 8–29–67 Cl. 146—95.
Harms, Harold B., to General Electric Co. Transistor inverter with an improved base current controlling circuit. 3,329,-908, 7–4–67, Cl. 331—113.
Harms, Johann, W. Thomas, and C. Berther, to Inventa A.G. fur Forschung und Patent-Verwertung. Process for the continuous production of laurin lactam. 3,334,089, 8–1–67, Cl. 260—239.3.
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Harnisch, Heinz, K. Frank, and W. Gerhardt, to Knapsack Aktiengesellschaft. Process for the manufacture of ferrophosphorus in powder form. 3,357,817, 12–12–67, Cl. 75—.5.
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Harnish, James R., to Westinghouse Electric Corp. Multiple evaporator refrigeration systems. 3,350,896, 11–7–67, Cl. 62—200.
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Harnish, James R., to Westinghouse Electric Corp. Multiple condenser refrigeration systems. 3,357,199, 12–12–67, Cl. 62—181.
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Harr, Robert R., and O. S. Lloyd, to Cambridge Scientific Industries, Inc. Electric safety razor with reciprocating blade. 3,327,387, 6–27–67, Cl. 30—34.2.
Harrah, Leon A. Self-adjusting clutch slave cylinder. 3,321,-913, 5–30–67, Cl. 60—54.6.
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Harris, Alexander T., and D. W. C. Spencer, to E. I. du Pont de Nemours and Co. Process for removing hard carbon deposits from an acetylene-generating arc furnace. 3,318,-791, 5–9–67, Cl. 204—171.
Harris, Allen E., E. L. Medford, Jr., and L. G. Carter, to Halliburton Co. Well casing shoe structure. 3,332,499, 7–25–67, Cl. 166—242.
Harris, Alva F., and G. A. Mortimer, to Monsanto Co. Polymerization process using a catalyst of an organoperoxysilane. 3,297,669, 1–10–67, Cl. 260—880.
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Harris, Rano J., Sr., to Precision Sampling Corp. Chromatographic sample injection apparatus. 3,355,950, 12–5–67, Cl. 73—422.

Harris, Rano J., Sr. and R. J. Harris, Jr., to Precision Sampling Corp. Fluid injection apparatus. 3,325,062, 6–13–67, Cl. 222—386.5.

Harris, Raymond C., and G. C. Newland, to Eastman Kodak Co. Poly-alpha-olefin compositions containing pyrazolone stabilizers. 3,325,445, 6–13–67, Cl. 280—45.8.

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Harris, Thaddeus W. Type of flash card. 3,345,759, 10–10–67, Cl. 35—31.

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Harris, Thomas J., and J. I. Aweida, to International Business Machines Corp. High-speed pneumatic switch. 3,335,-755, 8–15–67, Cl. 137—624.15.

Harris, Thomas J., and B. R. Shah, to International Business Machines Corp. High speed optical parallel-to-serial and serial-to-parallel conversion of binary information. 3,354,-451, 11–21–67, Cl. 340—347.

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Harrison, Hugh T., to The Dow Chemical Co. Hexafluoro-arsenic and -phosphoric acid salts of threonines. 3,338,940, 8–29–67, Cl. 260—440.
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Hartley, Gilbert S., and R. Howes, to Fisons Pest Control Ltd. Agricultural chemical compositions. 3,333,942, 8–1–67, Cl. 71—93.
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Schwiersch, Wolfram, and Hartwimmer. 3,336,369.
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Harvey, Douglas J., to General Motors Corp. Creep resistant solder alloy. 3,355,285, 11–28–67. Cl. 75—166.
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Harvey, Leo M., and R. W. Hilton, to Harvey Aluminum (Inc.). Attachment of an opener to the wall of a can. 3,307,737, 3–7–67, Cl. 220—54.
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Harvey, Luke M., to General Electric Co. Liquid metal switch. 3,331,937, 7–18–67, Cl. 200—152.
Harvey, Patrick J., to Allied Chemical Corp. Phenol-para-cumyl-phenol resin and primer therefrom. 3,351,605, 11–7–67, Cl. 260—33.4.
Harvey, Robert B., to Mobil Oil Corp. Mobile instrument carriage. 3,320,800, 5–23–67, Cl. 73—116.
Harvey, Robert B., and C. H. Pancoast, to Mobil Oil Corp. Automotive vehicle lift. 3,315,763, 4–25–67, Cl. 187—8.54.
Harvey, Robert E., to Goodwin of California Inc. Barbecue starter and burner apparatus. 3,295,509, 1–3–67, Cl. 126—25.
Harvey, Robert M. Door lock. 3,352,587, 11–14–67, Cl. 292—289.
Harvey, Robert R., to Phillips Petroleum Co. Method for decreasing the permeability of a subterranean stratum. 3,323,589, 6–6–67, Cl. 166—9.
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Harvey, Wildon T., to Sun Oil Co. Polyethylene of improved environmental stress cracking resistance. 3,303,152, 2–7–67, Cl. 260—28.5.
Harvey, William E. Remote control device. 3,333,418, 8–1–67, Cl. 60—54.5.
Harvey, William T., Jr., to Atlantic Research Corp. Process and apparatus for preserving animal and plant matter. 3,313,630, 4–11–67, Cl. 99—150.
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Harwell, Thurston W., to Union Carbide Corp. Process for producing stable juice pulp and stable juices containing said stable juice pulp. 3,301,685, 1–31–67, Cl. 99—105.
Harwood Charcoal Co.: *See*—
Wilkins, John R. 3,303,946.
Harwood Engineering Co.: *See*—
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Harwood, Frank S., C. T. Prucha, and H. Dorst, to Turnbull Elevator Ltd. Elevator roller guide assembly. 3,329,240, 7–4–67, Cl. 187—95.
Harwood, James, to The Glidden Co. Preparation of symmetrical 1,3-diglycerides. 3,312,724, 4–4–67, Cl. 260—410.7.
Harwood, Leopold A., to Radio Corp. of America. Insulated gate field effect transistor translating circuit. 3,307,110, 2–28–67, Cl. 325—451.
Harwood, Leopold A., to Radio Corp. of America. Parallel active circuit elements with provision for power distribution. 3,327,238, 6–20–67, Cl. 330—31.
Harwood, Paul D., and D. M. Burkhart, to Richardson-Merrell Inc. Synergistic insecticidal compositions. 3,308,015, 3–7–67, Cl. 167—24.
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Harwood, Thomas A.: *See*—
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Harwood, William H., to Continental Oil Co. Process of preparing p-aminophenol by electrolytically reducing nitrobenzene. 3,338,806, 8–29–67, Cl. 204—74.
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Hasbrouck, Augustus, to Leesona Corp. Fuel cell seal. 3,326,722, 6–20–67, Cl. 136—86.
Hasbrouck, Augustus, and S. L. Leavitt, to United Aircraft Corp. Electric insulating and sealing mechanism for tube passing through the wall of a container for corrosive material. 3,343,989, 9–26–67, Cl. 136—86.
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Hashemi, Hadi T., to University Engineers, Inc. Method of storage and transportation of liquified gas. 3,320,756, 5–23–67, Cl. 62—45.
Hashii, Eitaro, to Takeda Chemical Industries, Ltd. Production of diacetone-2-keto-l-gulonic acid. 3,352,883, 11–14–67, Cl. 260—340.7.
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Hasler, Maurice F., to Applied Research Laboratories, Inc. Method of and apparatus for spectroscopic analysis having compensating means for uncontrollable variables. 3,351,-755, 11–7–67, Cl. 250—49.5.
Haslett, Roy W. G., to S. Smith & Sons (England) Ltd. Echo-sounding apparatus for trawl fishing. 3,297,980, 1–10–67, Cl. 340—3.
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Hass, Karl, H. G. Epler, and F. Langenhoff, to Dynamit Nobel Aktiengesellschaft. Process for the manufacture of organic nitrogen-halogen compounds. 3,352,860, 11–14–67, Cl. 260—248.
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Hasselblad, Ambrose A. and W. J. 3,315,051.
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Hasserodt, Ulrich, K. H. G. Pilgram, and F. W. A. G. K. Korte, to Shell Oil Co. Oil-soluble alpha-hydroxymethyl phosphonate diesters. 3,318,915, 5–9–67, Cl. 260—345.9.
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Hasten, Mark, and J. T. Haub, to General Mills, Inc. Food processing apparatus and process. 3,321,146, 5–23–67, Cl. 242—47.13.
Hasth, Yngve G., and A. T. Wesstrom; said Wesstrom assor. to said Hasth. Fasteners for doors of cabinets and the like. 3,302,965, 2–7–67, Cl. 292—76.
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Hastings, Donald F., to The Bendix Corp. Modular air data computer. 3,321,132, 5–23–67, Cl. 235—1.
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Haszeldine, Robert N., to Pennsalt Chemicals Corp. Method of preparing carboxylic acid salts of fluoro telomers. 3,337,-435, 8–22–67, Cl. 204—158.
Haszeldine, Robert N., and R. E. Banks. Method of fluorinating pentachloropyridine. 3,303,197, 2–7–67, Cl. 260—290.
Haszeldine, Robert N., J. M. Birchall, and J. H. Umfreville. Copolymers of polyfluoroarylnitrosa compounds and fluorinated olefins. 3,310,543, 3–21–67, Cl. 260—92.1.
Haszeldine, Robert N., and R. E. Banks. Fluoropyridines and derivatives. 3,317,542, 5–2–67, Cl. 260—290.
Haszeldine, Robert N., and J. M. Birchall. Fluorinated benzyl ether polymers and process for their preparation. 3,321,-531, 5–23–67, Cl. 260—613.
Haszeldine, Robert N., R. E. Banks, and D. R. Taylor. Polymers containing polyfluoronitroso compounds and 1,1-difluoroallenes. 3,322,744, 5–30–67, Cl. 260—92.1.
Haszeldine, Robert N., R. E. Banks, and J. M. Birchall. Process for preparation of cyanuric chloride and pentachloropyridine. 3,359,267, 12–19–67, Cl. 260—248.
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Hata, Go, to Toyo Rayon Kabushiki Kaisha. Process for producing hexadienes. 3,309,418, 3–14–67, Cl. 260—680.
Hata, Junji, to Dai Nippon Printing Co., Ltd. Means for adhering a web to an impression surface during multicolor printing. 3,308,751, 3–14–67, Cl. 101—178.
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Kamijo, Tsutomu, Hatakeyama, and Fukumoto. 3,312,-658.
Hatala, Robert J., to E. I. du Pont de Nemours and Co. Stable dispersions. 3,316,200, 4–25–67, Cl. 260—29.6.
Hatala, Robert J., to E. I. du Pont de Nemours and Co. Freeze-thaw stable aqueous polymer dispersion containing a water-miscible amide. 3,347,814, 10–17–67, Cl. 260—29.6.
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Hatch, Arthur R., to American Motors Corp. Visor mounting apparatus. 3,360,296, 12–26–67, Cl. 296—97.
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Hatch, George B., to Calgon Corp. Corrosion inhibitors and methods of using same. 3,335,096, 8–8–67, Cl. 252—389.
Hatch, George B., and E. A. Guthrie, to Calgon Corp. Method and composition for removal of manganese from water. 3,349,031, 10–24–67, Cl. 210—50.
Hatch, James F., to The Marconi Co. Ltd. Radio goniometers and radio direction finders incorporating the same. 3,332,-082, 7–18–67, Cl. 343—124.
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Strasser, Joseph P., Hatch, and Knochel. 3,332,797.
Hatch, Melvin J., to The Dow Chemical Co. Exchange resins from vinyl sulfonium resins and method for making same. 3,300,416, 1–24–67, Cl. 260—2.1.

Hatch, Melvin J., to The Dow Chemical Co. Process of making composite ion exchange resin bodies. 3,332,890, 7–25–67, Cl. 260—2.1.
Hatch, Richard W., Jr., to The Foxboro Co. Digital operator. 3,300,176, 1–24–67, Cl. 251—33.
Hatch, Richard W., Jr., to The Foxboro Co. Fluid analog to digital converter. 3,321,955, 5–30–67, Cl. 73—30.
Hatch, Richard W., Jr., to The Foxboro Co. Fluid logic deadband control system. 3,327,725, 6–27–67, Cl. 137—81.5.
Hatch, Richard W., Jr., to The Foxboro Co. Fluid switch system. 3,327,726, 6–27–67, Cl. 137—81.5.
Hatch, Richard W., Jr., to The Foxboro Co. Fluid logic time temperature programmer. 3,339,570, 9–5–67, Cl. 137—81.5.
Hatch, Richard W., Jr., to The Foxboro Co. Fluid amplifier analog controller. 3,339,571, 9–5–67, Cl. 137—81.5.
Hatch, Robert A., and J. A. Tolzmann, to Minnesota Mining and Mfg. Co. Oven coating process. 3,303,052, 2–7–67, Cl. 117—169.
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Hatchel, Joseph W., and J. C. Roberts, to Pollution Eliminators, Inc. Sewage disposal plants and methods of sewage disposal. 3,329,107, 7–4–67, Cl. 110—15.
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Hatfield, Carl J. Orthopedic chair construction. 3,320,949, 5–23–67, Cl. 128—70.
Hatfield, John E., to Irving Air Chute Co., Inc. Safety belt buckle and webbing. 3,349,449, 10–31–67, Cl. 24—197.
Hatfield, John G., and W. W. Loose, to AMP Inc. Terminal pin assembly. 3,312,930, 4–4–67, Cl. 339—147.
Hatfield, Paul E., to Koppers Co., Inc. High pressure closure. 3,307,854, 3–7–67. Cl. 277—236.
Hathaway, Charles T., and R. K. Cohen, to Crown Zellerbach Corp. Packaging product with composite resin coatings and method of producing same. 3,306,766, 2–28–67, Cl. 117—76.
Hathaway, Homer L., to Westinghouse Air Brake Co. Carrier current remote control having means for compensating for channel delay. 3,297,990, 1–10–67, Cl. 340—163.
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Hatten, Jostein. Chassis for vehicle. 3,336,044, 8–15–67, Cl. 280—104.5.
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Hatton, Richard L., to Resinite Corp. Tubular covering and method. 3,336,554, 8–15–67, Cl. 336—209.
Hatton, Richard L., to Resinite Corp. Temperature stable tubular element for inductive devices. 3,344,384, 9–26–67, Cl. 336—179.
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Takano, Tadayoshi, Hattori, and Kishimoto. 3,360,515.
Takano, Tadayoshi, Hattori, Kurita, and Horibe. 3,338,-897.
Takano, Tadayoshi, Hattori, Nakanishi, Miura, Umio, and Kishimoto. 3,308,120.
Hatz, Ernst, to Motorenfabrik Hatz, G.m.b.H. Means for lubricating a crank pin of a crank shaft. 3,307,655, 3–7–67, Cl. 184—6.
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Hasten, Mark, Haub, and Weiss. 3,310,006.
Haub, John T., S. C. Rustad, and M. Hasten, to General Mills, Inc. Deep fat fryer. 3,296,954, 1–10–67, Cl. 99—404.
Haubein, Albert H., to Hercules Inc. O,O-dimethyl S-(1-succinimidoethyl) phosphorodithioate and insecticidal compositions containing the same. 3,316,145, 4–25–67, Cl. 167—33.
Haubein, Albert H., to Hercules Inc. Pesticidal compositions of m-isopropylphenyl n-methyl-n-nitrosocarbamate. 3,345,-256, 10–3–67, Cl. 167—30.
Hauber, Ferdinand R., and C. L. Clark, to Brown & Root, Inc. Offshore platform. 3,315,473, 4–25–67, Cl. 61—46.5.
Haubert, Harold W., and M. R. Rudy, to The Singer Co. Children's bouncing apparatus. 3,355,170, 11–28–67, Cl. 272—57.
Hauck, Clifford A., and J. O. Bennett, to Union Carbide Corp. Method and apparatus for sweeping electric arcs. 3,336,460, 8–15–67, Cl. 219—121.
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Mayne, Charles H. 3,306,815.
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Haworth, Daniel T., and G. Pollnow, to Allis-Chalmers Mfg. Co. Process for curing epoxy resin with methyl polyborate. 3,352,823, 11–14–67, Cl. 260—46.5.
Haworth, Derek, A. C. Parikh, and J. C. Turner, to British Nylon Spinners Ltd. Varying-tone colour effects in synthetic fibre fabrics. 3,356,444, 12–5–67, Cl. 8—21.
Haworth, James G. Ball feeding device. 3,319,824, 5–16–67, Cl. 221—184.
Haws, Ernest R., and B. W. Piper, to Robert Haws Co. Expanding jamb. 3,300,899, 1–31–67, Cl. 49—321.
Haws, Ernest R., and B. W. Piper, to Robert Haws Co. Switch mechanism for trolley-supported panels. 3,341,985, 9–19–67, Cl. 52—1.
Haws, Robert, Co.: *See*—
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Haws, Ernest R., and Piper. 3,341,985.
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Hawthorn, Robert, and J. F. Hiatt, to Collins Radio Co. Device for raising or lowering antenna mast. 3,320,703, 5–23–67, Cl. 52—123.
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Hawthorne, John A. Ignition system. 3,327,165, 6–20–67, Cl. 315—223.
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Hawtin, Percy. Dental handpiece. 3,310,285, 3–21–67, Cl. 253—2.
Haxton, Thomas P. Non-sway attachment for trailer hitch. 3,306,628, 2–28–67, Cl. 280—406.
Hay, Alden W., D. B. Thornton, A. B. Conciatori, and B. S. Sprague, to Celanese Corp. Method for increasing the dyeability of filamentary material. 3,330,893, 7–11–67, Cl. 264—78.
Hay, Allan S., to General Electric Co. Polymeric acetylenes and process for producing the same. 3,300,456, 1–24–67, Cl. 260—88.2.
Hay, Allan S., to General Electric Co. Oxidation of phenols. 3,306,874, 2–28–67, Cl. 260—47.
Hay, Allan S., to General Electric Co. Oxidation of phenols and resulting products. 3,306,875, 2–28–67, Cl. 260—47.
Hay, Allan S., to General Electric Co. Process of making 3,4-dihydro-1-(2H)-naphthalenones. 3,310,586, 3–21–67, Cl. 260—590.
Hay, Allan S., to General Electric Co. Heteroacetylenic compounds and polymers thereof. 3,332,916, 7–25–67, Cl. 260—80.
Hay, Harold R. Apparatus for modulating the temperature within enclosures. 3,299,589, 1–24–67, Cl. 52—71.
Hay, Harold R. Process and apparatus for solar distillation. 3,314,862, 4–18–67, Cl. 203—10.
Hay, Robert B. Swinging disc valves with supplemental operator. 3,334,858, 8–8–67, Cl. 251—82.
Hay, Russell G., D. M. Jenkins, and R. A. Walde, to Gulf Research & Development Co. Process for polymerizing propylene. 3,332,925, 7–25–67, Cl. 260—93.7.
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Hayakawa, Shiro: *See*—
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Hayakawa, Yoshihide, to Fuji Shashin Film Kabushiki Kaisha. High edge-gradient photosensitive material. 3,345,-175, 10–3–67, Cl. 96—76.
Hayama, Akio. Rollable tripod. 3,327,979, 6–27–67, Cl. 248—166.
Hayama, Kaname, and I. Sato, to Asahi Kasei Kogyo Kabushiki Kaisha. Portable high-voltage generator device. 3,316,475, 4–25–67, Cl. 321—15.
Hayama, Motoo, to Caloric Corp. Radiant burner. 3,303,869, 2–14–67 Cl. 158—116.
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Kugita, Hiroshi, Hayashi, Oine, Inoue, and Nurimoto. 3,325,502.
Hayashi, Junichi, S. Tsukuma, H. Uematsu, T. Adachi, and T. Ohta. Suction means for retrieving a yarn end from a supply cop for automatic winding machines. 3,343,756, 9–26–67, Cl. 242—35.6.
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Hayashi, Teruo, H. Watanabe, and Y. Sotome, to Nippon Electric Co. Ltd. Negative resistance semiconductor device utilizing tunnel effect. 3,304,470, 2–14–67, Cl. 317—235.
Hayashi, Torahiko. Device for continuously making spherical filled encrustations with dough. 3,351,026, 11–7–67, Cl. 107—68.
Hayashi, Toshio, to Minolta Camera Kabushiki Kaisha. Device for indicating presence or absence of films in cameras. 3,335,695, 8–15–67, Cl. 116—114.
Hayashi, Tsutomu, to Hitachi, Ltd. Boiling liquid nuclear reactor having tiered, horizontally extending coolant channels. 3,346,460, 10–10–67, Cl. 176—54.
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Hayden, John J., to General Aniline & Film Corp. Visual indicating solution. 3,297,585, 1–10–67, Cl. 252—408.
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Haydock, Raymond S. 3,349,426.
Haydock, Raymond S., ½ each to H. Haydock, Jr., and S. L. Haydock. Furniture caddy carrier. 3,345,675, 10–10–67, Cl. 16—45.
Haydock, Raymond S., ½ each to R. Haydock, Jr., and S. L. Haydock. Hooded caster wheel assembly. 3,349,426, 10–31–67, Cl. 16—46.
Haydock, Sandra L.: *See*—
Haydock, Raymond S. 3,345,675.
Haydock, Raymond S. 3,349,426.
Haydon, Arthur W.: *See*—
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Hayes, Allan M. Motor mount for boats. 3,348,794, 10–24–67, Cl. 248—4.
Hayes, Barry J., to Ciba Ltd. Curable compositions comprising a polyglycidal ether of a novolac resin, a tertiary amine, and a dialkyl phthalate. 3,352,813, 11–14–67, Cl. 260—31.8.
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Westeren, Herbert W. 3,360,252.
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Reimer, Borge R. 3,331,259.
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Hayes, Edward J., to Kelsey-Hayes Co. Disc brake with reinforced shoe. 3,346,076, 10–10–67, Cl. 188—73.
Hayes, Edward J., and T. Sturis, to Kelsey-Hayes Co. Caliper-type disc brake with yieldable support. 3,352,382, 11–14–67, Cl. 188—73.
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Hayes, John C., to Universal Oil Products Co. Method of catalyst preparation. 3,342,751, 9–19–67, Cl. 252—466.
Hayes, John C., to Universal Oil Products Co. Production of alumina. 3,346,336, 10–10–67, Cl. 23—143.
Hayes, John C., to Universal Oil Products Co. Process for producing hydrogen and carbon with an essentially iron-free catalyst. 3,355,248, 11–28–67, Cl. 23—209.5.
Hayes, John C., D. McGrath, and V. Haensel, to Universal Oil Products Co. Manufacture of high purity alumina sol from relatively low grade aluminum. 3,340,205, 9–5–67, Cl. 252—313.
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Hayman, Dennis J., to Holley Carburetor Co. Reciprocating hydraulic motor. 3,296,938, 1–10–67, Cl. 91—266.
Hayman, George C., to Leslie Welding Co., Inc. Window holder and operator. 3,357,735, 12–12–67, Cl. 292—270.
Hayman, Roy V., to British Nylon Spinners Ltd. Apparatus for the treatment of textile materials. 3,343,378, 9–26–67, Cl. 68—5.
Hayne, Thomas F., H. P. Jankowski, and C. J. Boorsma, to Xerox Corp. Corona charging device with means to prevent toner dust contamination. 3,339,069, 8–29–67, Cl. 250—49.5.
Hayner, Paul F., and G. L. Bernier, to Sanders Associates, Inc. Hydraulic servo control systems. 3,326,088, 6–20–67, Cl. 91—461.
Haynes, Alan G., to The International Nickel Co., Inc. Hard facing metals and alloys. 3,322,580, 5–30–67, Cl. 148—142.
Haynes, Alan G., to The International Nickel Co., Inc. Case hardening of steel. 3,345,220, 10–3–67, Cl. 148—148.
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Hays, Frederick R., to American Optical Co. Radiation absorption heating of a bundle of glass fibers. 3,323,886, 6–6–67, Cl. 65—4.
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Hazelton, Merrill, R. E. Griesheimer, and C. J. Ostendorf, by Cincinnati Shapes Co. Level control for press brakes and the like. Re. 26,236, 7–18–67, Cl. 100—46.
Hazen, Carl J., and E. H. Hills. Belt dressing machine. 3,330,-174, 7–11–67, Cl. 83—4.
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Hazen, Wayne C.: *See*—
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Helms, John D., to Texas Instruments Inc. Successively stacking, and welding circuit conductors through insulation by using electrodes engaging one conductor. 3,353,263, 11–21–67, Cl. 29—625.
Helms, John D., to Texas Instruments Inc. Modular circuit boards. 3,356,786, 12–5–67, Cl. 174—68.5.
Helms, John D., and J. A. Shank, to Texas Instruments Inc. Welding apparatus. 3,349,217, 10–24–67, Cl. 219—110.
Helms, Paul R. Ram core molding machine. 3,343,236, 9–26–67, Cl. 25—30.
Helms, Thomas F., to Country Engineering Inc. Pull-tab closure tester. 3,318,143, 5–9–67, Cl. 73—96.
Helms, Thomas F., to Country Engineering Inc. Machine for testing can tops. 3,323,351, 6–6–67, Cl. 73—45.5.
Helmuth, Nancy A., to Phillips Petroleum Co. Biochemical fuel cell and method of generating electric current using bacteria. 3,340,094, 9–5–67, Cl. 136—86.
Helsdon, Peter B., to Marconi's Wireless Telegraph Co. Ltd. Pulse delay circuits using resonant charging with minimum current detectors. 3,319,075, 5–9–67, Cl. 307—88.5.
Helsing, Erik, and N.-E. Strom, to Allmanna Svenska Elektriska Aktiebolaget. Regulating device for electrode furnaces. 3,316,340, 4–25–67, Cl. 13—13.
Helsing, Knud J., to Westinghouse Electric Corp. Automatic controlled door for a vending machine. 3,357,133, 12–12–67, Cl. 49—25.
Helsing, Knud J., and J. E. Kalista, to Westinghouse Electric Corp. Vending machine. 3,311,207, 3–28–67, Cl. 194—10.
Helsley, Grover C., to A. H. Robins Co., Inc. N-(3-pyrrolidinyl)-phthalimide derivatives. 3,316,276, 4–25–67, Cl. 260—326.
Helton, Dennis M., and R. G. Wymer, to United States of America, Atomic Energy Commission. Electrical potential method for dispersion of metal oxide microspheres. 3,352,950, 11–14–67, Cl. 264—.5.
Helton, Vernon R., to General Motors Corp. Clothes dryer drive belt tensioner. 3,330,049, 7–11–67, Cl. 34—139.
Heltzel, Carl J. Continuous wire mesh installer and process for installing wire mesh in plastic concrete. 3,319,544, 5–16–67, Cl. 94—39.
Heltzel, Robert E. Concrete mixer. 3,317,194, 5–2–67, Cl. 259—161.
Heltzen, John H., and R. W. McCahon. Humidifier for air conditioning systems. 3,355,155, 11–28–67, Cl. 261—130.
Helvenston, Edward P., to Pittsburgh Plate Glass Co. Prevention of floor erosion of a solution mining cavity. 3,339,978, 9–5–67, Cl. 299—4.
Helvern, James O., to General Motors Corp. Pedal lift mechanism. 3,354,641, 11–28–67, Cl. 60—54.6.
Helwig, Lawrence E., to United States Steel Corp. Method of making galvannealed ferrous metal of improved solderability. 3,304,245, 2–14–67, Cl. 204—35.
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Hemard, Maurice, to Gullick Ltd. Hydraulic mine roof supports. 3,333,425, 8–1–67, Cl. 61—45.
Hemdal, Hakan O., to Potter Instrument Co., Inc. Rewind method and apparatus. 3,343,758, 9–26–67, Cl. 242—55.12.
Hemenway, Philip. Multiple ball check valve. 3,320,971, 5–23–67, Cl. 137—512.1.
Hemery, Marc. Apparatus for printing a plate intended for offset printing, by passing through a photographic developing unit. 3,338,149, 8–29–67, Cl. 95—89.
Hemfort, Heinz, Jr., to Westfalia Separator A.G. Apparatus for signaling a predetermined level in the sludge chamber of a centrifugal drum. 3,301,476, 1–31–67, Cl. 233—20.
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Hemker, Fritz L., and J. R. McWhorter; said Hemker assor. to The Babcock & Wilcox Co.; said McWhorter assor. to Bailey Meter Co. Burner impeller. 3,299,841, 1–24–67, Cl. 110—28.
Hemmer, Ferdinand J., to Melpar, Inc. Thin film circuit vacuum processing facility. 3,314,395, 4–18–67, Cl. 118—49.
Hemmie, Dale L., to Winegard Co. Balun suitable for use throughout the ultra high frequency television bands. 3,357,023, 12–5–67, Cl. 343—821.
Hemmingway, Hugh L., to Union Oil Co. of California. Jet fuel containing anti-wear aromatic diester. 3,320,041, 5–16–67, Cl. 44—58.
Hempel, Herman P., to C. P. Claire & Co. Spherical contact structure for sealed mercury switches. 3,331,037, 7–11–67, Cl. 335—58.
Hempfling, Gerald L., ½ to J. E. Van Noy. Package. 3,315,868, 4–25–67, Cl. 229—31.
Hemphill, Kent W., and J. P. Donnolo, to Xerox Corp. Motor speed control utilizing light sensitive conductive and resistive elements. 3,351,831, 11–7–67, Cl. 318—77.
Hemphill, William B.; ½ to Hearst Publishing Co., Inc. Automatic sheet splicing apparatus. 3,314,626, 4–18–67, Cl. 242—58.2.
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Hemstock, Glen A., and R. J. Bergmann, to Minerals & Chemicals Philipp Corp. Paper coating clay and method for treating the same. 3,301,691, 1–31–67, Cl. 106—72.
Hemstock, Glen A., and R. J. Bergmann, to Minerals & Chemicals Philipp Corp. Clay slurries and method for making same. 3,303,035, 2–7–67, Cl. 106—72.
Hemstreet, Russell A., to Union Carbide Corp. Adsorbent-coated thermal panels. 3,296,773, 1–10–67, Cl. 55—27.
Hemstreet, Russell A., to Union Carbide Corp. Adsorbent-coated thermal panels. 3,338,034, 8–29–67, Cl. 55—269.
Hemstreet, Russell A., and D. M. Ruttenbur, to Union Carbide Corp. Process for adsorbing gases. 3,309,844, 3–21–67, Cl. 55—75.
Hemsworth, Martin C., to General Electric Co. Rotary regenerator for gas turbine powerplant. 3,332,238, 7–25–67, Cl. 60—39.51.
Hemsworth, Martin C., to General Electric Co. Multi-nozzle fuel delivery system. 3,335,567, 8–15–67, Cl. 60—39.74.
Henby, Elijah B., to National Dust Collector Corp. Gas scrubber with improved liquid separator. 3,348,364, 10–24–67, Cl. 55—257.
Henc, Edward V. Method of making a cutting blade. 3,321,874, 5–30–67, Cl. 51—324.
Henc, Edward V. Apparatus for working sheet material. 3,353,460, 11–21–67, Cl. 93—58.2.
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Henchert, John, and H. E. Frankenberg, to Continental Can Co., Inc. Plastic handle and cleat attachment for containers. 3,302,826, 2–7–67, Cl. 220—91.
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Henderson, Courtland M., and E. R. Beaver, Jr., to Monsanto Co. Two-phase thermo-electric body comprising a boron-carbon matrix. 3,343,373, 9–26–67, Cl. 62—3.
Henderson, Donald S., W. S. Briggs, W. A. Stover, and A. H. Thomas, to W. R. Grace & Co. Method of treating exhaust gases of internal combustion engines. 3,295,919, 1–3–67, Cl. 23—2.
Henderson, Edward. Leak arresting closure. 3,297,213, 1–10–67, Cl. 222—542.
Henderson, Edward. Safety closure. 3,343,709, 9–26–67, Cl. 220—41.
Henderson, Eulas W., to Phillips Petroleum Co. Production of oil impregnated carbon black. 3,340,080, 9–5–67, Cl. 106—307.
Henderson, George A. Circular saw with scrap disintegrator. 3,358,720, 12–19–67, Cl. 143—133.
Henderson, Harold P. Protective and decorative cap for screw and bolt heads. 3,298,272, 1–17–67, Cl. 85—53.
Henderson, Harold P., to Glass-Tite Industries Inc. Industrial closure. 3,334,772, 8–8–67, Cl. 220—39.
Henderson, Harold R., to Arcair Co. Electrode feeding system for electric arc torches. 3,317,779, 5–2–67, Cl. 314—5.
Henderson, Homer I. Drilling bit. 3,308,896, 3–14–67, Cl. 175—330.
Henderson, Homer I. Coring drill. 3,323,604, 6–6–67, Cl. 175—244.
Henderson, Homer I. Earth boring drill. 3,338,322, 8–29–67, Cl. 175—317.
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Henderson, Ian H. S., and S. G. Ladan, to Her Majesty the Queen in right of Canada as represented by the Minister of National Defence. Nickel cadmium batteries. 3,326,721, 6–20–67, Cl. 136—24.
Henderson, James H., W. K. Meyer, and J. J. Taber, to Gulf Research & Development Co. Miscible drive secondary oil recovery process. 3,330,345, 7–11–67, Cl. 166—9.
Henderson, Jerald M., to The Regents of the University of California. Mass flowmeter for granular materials. 3,331,244, 7–18–67, Cl. 73—194.
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Henderson, Martin C., to Bunker-Ramo Corp. Line drawing system. 3,333,147, 7–25–67, Cl. 315—22.
Henderson, Miles L., to Phillips Petroleum Co. Vapor-liquid mixing to control refrigerating temperature in liquefaction of gaseous material. 3,318,102, 5–9–67, Cl. 62—9.
Henderson, Nels A. Ice hole flaring tool. 3,336,989, 8–22–67, Cl. 175—18.
Henderson, Richard J., to Republic Mfg. Co. Two-position, four-way pilot operated valve. Re. 26,245, 8–1–67, Cl. 137—685.68.
Henderson, Richard J., to Republic Mfg. Co. Three-way, two-position valve. 3,324,888, 6–13–67, Cl. 137—625.68.
Henderson, Robert M., and R. Zechlin, to Fairbanks Morse Inc. Electronic current regulator. 3,304,488, 2–14–67, Cl. 322—27.
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Dauer, David P. 3,310,184.
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Schwarz, Julius D., and Dokes. 3,354,473.
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Hendricks, George D., to E. W. Bliss Co. Traffic controller load relay control circuit. 3,344,398, 9–26–67, Cl. 340—41.
Hendricks, George D., and G. E. Fieser, to E. W. Bliss Co. Traffic controllers employing static, logic control elements. Re. 26,150, 1–31–67, Cl. 340—37.
Hendricks, James C., to McGill Metal Products Co. Perforating device. 3,303,564, 2–14–67, Cl. 30—358.
Hendricks, Sidney J., to Prekast Fireplace Mfg. Co. Precast fireplace, methods of manufacture and erection. 3,301,249, 1–31–67, Cl. 126—120.
Hendricks, William L. Camera tension anchor. 3,317,169, 5–2–67, Cl. 248—188.2.
Hendricks, William W., to Space Control Corp. Load carrier for industrial trucks. 3,301,422, 1–31–67, Cl. 214—730.
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Hendrickson, Harold S., deceased, by A. Hendrickson, administratrix. Dipole antenna including ferrite sleeves about the medial portions of its radiating elements. 3,302,208, 1–31–67, Cl. 343—787.
Hendrickson, Jay D., and H. H. Osterlund, to C. W. C. Fisheries, Inc. Apparatus for cleaning crabs. 3,299,467, 1–24–67, Cl. 17—2.
Hendrickson, Luther G., to United States Steel Corp. Reduction roasting of ore. 3,320,049, 5–16–67, Cl. 75—1.
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Hendrickson, Otto. Portable cutting, slitting and drilling machine. 3,340,610, 9–12–67, Cl. 30—123.
Hendrickson, Robert T., to Hendrickson Mfg. Co. Suspension system for vehicles. 3,297,339, 1–10–67, Cl. 280—104.5.
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Hendrickson, Yngve G., to Chevron Research Co. Imides of arene polyamines used as lubricating oil additives. 3,306,852, 2–28–67, Cl. 252—32.7.
Hendrickx, Andreas J. J., and A. M. P. Hectors, to Chemische Fabriek L. Van Der Grinten N.V. Diazotype material. 3,338,713, 8–29–67, Cl. 96—91.
Hendrickz, Antonin, to UCB (Union Chimique-Chemische Bedrijven) S.A. Catalytic process for the production of unsaturated aliphatic carboxylic acids. 3,358,020, 12–12–67, Cl. 260—530.
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Hendriks, Petrus F. A. M., to Stamicarbon N.V. Melting device and process for melting urea. 3,332,413, 7–25–67, Cl. 126—343.5.
Hendrix, C. W. Sewing machine attachment. 3,347,189, 10–17–67, Cl. 112—153.
Hendrix, Gertrude. Educational system. 3,330,053, 7–11–67, Cl. 35—30.
Hendrix, Lloyd T., to Richfield Oil Corp. Atmospheric L.P.G. storage tank and process. 3,298,186, 1–17–67, Cl. 62—50.
Hendrix, Lloyd T., to Atlantic Richfield Co. Steam generator. 3,313,274, 4–11–67, Cl. 122—7.
Hendrix, Lloyd T., to Atlantic Richfield Co. Well effluent separation apparatus. 3,335,549, 8–15–67, Cl. 55—178.
Hendrix, Lloyd T., to Atlantic Richfield Co. Hydrate removal from wet natural gas. 3,354,563, 11–28–67, Cl. 62—12.
Hendrix, Lloyd T., to Atlantic Richfield Co. Hydrate removal from wet natural gas. 3,354,663, 11–28–67, Cl. 62—12.
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Hendry, Gilbert D. Pressure tube salvage apparatus and method. 3,311,078, 3–28–67, Cl. 114—50.
Hendry, James W., to Borg-Warner Corp. Pelletizing machine. 3,355,765, 12–5–67, Cl. 18—12.
Hendry, James W., to Borg-Warner Corp. Small area rotating cone plasticizer. 3,357,042, 12–12–67, Cl. 18—2.
Hendry, James W., to Borg-Warner Corp. Plastic working machine impelling material to be worked against a rotating cone. 3,358,334, 12–19–67, Cl. 18—30.
Henebry, Thomas F. Power operated hole digger. 3,313,363, 4–11–67, Cl. 175—207.
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Rhodes, William A., and Henes. 3,357,472.
Henes, Richard W., to Henes Mfg. Co. Means and method for producing a hydrogen and oxygen torch fuel gas having a vaporous flux homogeneously mixed therein. 3,346,470, 10–10–67, Cl. 204—129.
Henes, Richard W., to Henes Mfg. Co. Means and method for producing a dry homogeneously mixed hydrogen and oxygen fuel gas for torches. 3,356,600, 12–5–67, Cl. 204—129.
Hengel, Mathew C., A. T. Biehl, and R. Mainhardt, to MB Associates. Hand weapon. 3,318,188, 5–9–67, Cl. 89—1.806.
Hengstebeck, Robert J., to Standard Oil Co. Two-stage process for the hydrocracking of hydrocarbon oils in which the feed oil is pretreated in the first stage. 3,328,290, 6–27–67, Cl. 208—89.
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Henig, Seymour, and E. C. Palasky, to United States of America, Commerce. Sorting machine providing self-optimizing inventory reduction. 3,300,066, 1–24–67, Cl. 214—11.
Henjum, Harvey E., to United States of America, Navy. Inflatable framework for passive satellites. 3,327,308, 6–20–67, Cl. 343—18.
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Giannetti, Joseph P., Henke, and Sebulsky. 3,330,779.
Henke, Alfred M., and R. T. Sebulsky, to Gulf Research & Development Co. Process for alkylating aromatic hydrocarbons using supported heteropoly acid catalyst. 3,346,657, 10–10–67, Cl. 260—671.
Henke, Alfred M., B. K. Schmid, and J. R. Strom, to Gulf Research & Development Co. Hydrocracking with a presulfided tungsten oxide composite catalyst from the group comprising of silver, zinc or thorium on a siliceous carrier. 3,349,025, 10–24–67, Cl. 208—111.
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Henle, Walter K., to Shell Oil Co. Production of sebacic acid and ω-hydroxypelargonic acid from trialumino dioctane. 3,342,841, 9–19–67, Cl. 260—413.
Henley, Edward J., to M. P. Moller, Inc. Stereophonic electronic musical instrument. 3,342,923, 9–19–67, Cl. 84—1.24.
Henley, John W., to The Earle-Picker Co. High deflection spring or bumper. 3,305,227, 2–21–67, Cl. 267—1.
Henley, Virgil E., to The General Tire & Rubber Co. Method of and apparatus for butt splicing coated fabric. 3,325,328, 6–13–67, Cl. 156—157.
Henley, William O., to Mobil Oil Corp. Lubricating oil compositions containing as a detergent a beta-(alkylamino) alkyl alkenylphenyl ether. 3,340,192, 9–5–67, Cl. 252—51.5.
Henlotter, Richard E. Artificial tooth. 3,343,263, 9–26–67, Cl. 32—10.
Henn, Richard W., and D. W. Miller, to Eastman Kodak Co. Solid homogeneous compositions containing silver halide processing agents. 3,347,675, 10–17–67, Cl. 96—61.
Henn, William, to Radio Corp. of America. Logic gate oscillator. 3,350,659, 10–31–67, Cl. 331—57.
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Heron, John A. Method and apparatus for forming cast objects using expendable patterns. 3,348,605, 10–24–67, Cl. 164—26.
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Herrenschmidt, Pierre, to Societe Anonyme des Ateliers et Chantiers de la Seine Maritime. Insulated tank for liquids at low temperatures. 3,339,778, 9–5–67, Cl. 220—9.
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Herrera, Joseph J. Film stripping apparatus. 3,339,523, 9–5–67, Cl. 118—12.
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Herreshoff, Alexander G., P. J. Rich, and R. J. Johnson, to Allgonac Marine Foundry, Inc. Cleat. 3,352,273, 11–14–67, Cl. 114—218.
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Herrick, Ivan, M. F. Adams, and E. M. Huffaker, to Northwest Magnesite Co. Purification of aqueous refuse liquids containing the ortho-hydroxyphenol moiety. 3,350,259, 10–31–67, Cl. 162—16.
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Herrmann, Rodolphe, to Societe d'Exploitation des Materiels Hispano-Suiza. Pistons of internal combustion engines. 3,358,657, 12–19–67, Cl. 123—48.
Herrmann, William E., to Jervis B. Webb Co. Roll stand construction for belt conveyors. 3,319,779, 5–16–67, Cl. 198—192.
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Hess, Richard A., to Air Products and Chemical Inc. Method of forming a fuel cell electrode. 3,309,231, 3–14–67, Cl. 136—122.
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Hessinger, Philip S., and A. R. Sheets, to National Beryllia Corp. Microelectronic package. 3,312,771, 4–4–67, Cl. 174—52.
Hessinger, Philip S., and T. W. Weber, to Mycalex Corp. of America. Method of making synthetic mica and ceramoplastic materials. 3,338,692, 8–29–67, Cl. 65—18.
Hession, John W., Jr., ⅓ each to G. D. Besler and M. A. Hession. Method and composition for creating aerosol dispersions. 3,310,466, 3–21–67, Cl. 167—39.
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Hettich, Alfred, and K. Paule, to Robert Bosch, G.m.b.H. Power driven device for tightening and loosening of screws or the like. 3,329,185, 7–4–67, Cl. 144—32.
Hettich, Hugo. Securement between oscillation-imparting coil spring and balance member of timepiece. 3,324,645, 6–13–67, Cl. 58—115.
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Hiatt, Gordon D., and M. E. Rowley, to Eastman Kodak Co. Preparation of mixed salts of water-soluble cellulose derivatives. 3,335,128, 8–8–67, Cl. 260—215.
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Hill, Denis, to The Forgrove Machinery Co. Ltd. Packaging machines. 3,330,092, 7–11–67, Cl. 53—184.
Hill, Donald E. Coil assembling apparatus. 3,324,536, 6–13–67, Cl. 29—205.
Hill, Donald R., and W. A. Shire, to Maumee Chemical Co. Production of isatoic anhydride and certain halo derivatives thereof. 3,324,119, 6–6–67, Cl. 260—244.
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Hill, Earl R., and W. C. Carter II, to Westinghouse Electric Corp. Motor control system for speed and tension of moving elongate material. 3,324,363, 6–6–67, Cl. 318—6.
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Hill, William F., Jr., to Union Carbide Corp. Polyvinyl acetate compositions. 3,316,197, 4–25–67, Cl. 260—29.6.
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Hillman, Melville E. D., to E. I. du Pont de Nemours and Co. Diboradioxanes and process for preparing diboradioxanes and boronic acids. 3,317,580, 5–2–67, Cl. 260—462.
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Himes, William A., and A. E. Graham, to Newport News Shipbuilding and Dry Dock Co. Automatic dump valve. 3,318,327, 5–9–67, Cl. 137—527.8.
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Holmes, Frank C., to The U.S. Baird Corp. Adjustable cam. 3,338,112, 8–29–67, Cl. 74—568.
Holmes, Gene C. Vote counting machine. 3,306,534, 2–28–67, Cl. 235—50.
Holmes, George B., and G. H. Warfel, to Bank of America National Trust and Savings Association. Coin packaging machine. 3,340,882, 9–12–67, Cl. 133—1.
Holmes, George S., to Continental Can Co., Inc. Method of forming a separator. 3,339,466, 9–5–67, Cl. 93—37.
Holmes, Gerard P., and J. W. Murphy, to American Cyanamid Co. Combination reel and label for surgical sutures. 3,357,550, 12–12–67, Cl. 206—63.3.
Holmes, Jack H., to FMC Corp. Method and apparatus for handling articles. 3,300,021, 1–24–67, Cl. 198—33.
Holmes, James F., to The Boeing Co. DC power supply and amplitude modulator. 3,348,151, 10–17–67, Cl. 325—185.
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Davis, George D., Frederick, Godbee, and Holmes. 3,298,961.
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Holmes Leasing Corp.: *See*—
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Holmes, Peter D., and R. C. Pitkethly, to The British Petroleum Co. Ltd. Hydrogenation process. 3,301,913, 1–31–67, Cl. 260—677.
Holmes, Ralph A. Sling assembly. 3,343,862, 9–26–67, Cl. 294—74.
Holmes, Ronald F., to Precision Grinding Ltd. Pattern-controlled machine tools. 3,330,293, 7–11–67, Cl. 137—270.
Holmgren, Marvin E., to Imperial-Eastman Corp. Hose construction. 3,332,447, 7–25–67, Cl. 138—125.
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Holmqvist, Nils E. F., to Aktiebolaget Addo. Reciprocable type carrier with individually movable type bars. 3,301,178, 1–31–67, Cl. 101—109.
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Holohan, Barth A. Barber's razor with holder for exchangeable blades. 3,308,533, 3–14–67, Cl. 30—32.
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Baring, John A. 3,349,666.
Berger, Emanuel. 3,351,753.
Erickson, Roger D. 3,350,603.
Erickson, Roger D. 3,350,604.
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Holscher, Harold H., to Tri-Ex Tower Corp. Joint for modular tower. 3,360,288, 12–26–67, Cl. 287—189.36.
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Holstein, Alvin W., H. H. Pryor, W. H. Short, and A. R. Kessler, to Universal Match Corp. Vendor. 3,338,153, 8–29–67, Cl. 99—289.
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Holt, Charley. Unicycle toy having a weight secured to a journaled support. 3,346,990, 10–17–67, Cl. 46—100.
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Holt, Gordon J., and J. L. Cullen, to Girling Ltd. Vehicle brakes. 3,326,330, 6–20–67, Cl. 188—78.
Holt, Harley R., to Ray-Wayland Corp. Means and method of maintaining a fish environment. 3,302,789, 2–7–67, Cl. 210—70.
Holt, Harry H. Safety control system for steam generators. 3,310,039, 3–21–67, Cl. 122—504.
Holt, Jack R.: *See*—
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Holt, James B. Illusory three-dimensional projection system. 3,317,206, 5–2–67, Cl. 272—8.
Holt, John E. Formed nylon and method. 3,340,235, 9–5–67, Cl. 260—78.
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Holt, John P., H. P. Day, and T. P. Cash, to Valley Dolomite Corp. Formulations for gunning refractories. 3,330,890, 7–11–67, Cl. 264—30.
Holt, Lloyd J., H. L. Myers, and G. F. Zurn, Jr., to United States of America, Navy. Destruct system for target aircraft. 3,311,324, 3–28–67, Cl. 244—1.
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Holt, Sherman H. and J. R. Two-way automatic locking and friction device. 3,334,931, 8–8–67, Cl. 287—58.
Holt, Sherwood G., to Consolidated Papers, Inc. Method and apparatus for supplying stock to papermaking machine. 3,321,360, 5–23–67, Cl. 162—214.
Holt, Thomas C., C. McCracken, Jr. and T. Trogdon, to Dayco Corp. Method for the manufacture of foam rubber products. 3,324,209, 6–6–67, Cl. 264—41.
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Holter, William H., D. D. Dunfee, and R. C. Webster, to Atlantic Research Corp. Gas-generating grain. 3,352,244, 11–14–67, Cl. 102—102.
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Holtermann, Hugo and S. Salvesen, to Nyegaard & Co. A/S. Injectable solution of an amine salt of a radiopaque iodinated organic acid containing calcium ions. 3,347,746, 10–17–67, Cl. 167—95.
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Holtkamp, Calvin J., to Westinghouse Electric Corp. Digital timer drive for use in household appliances. 3,331,929, 7–18–67, Cl. 200—46.
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Holton, Robert J., to Tinnerman Products, Inc. Sealed self-threading cap nut. 3,357,293, 12–12–67, Cl. 85—35.
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Degener, Eberhart, Schmelzer, and Holtschmidt. 3,325,-543.
Degener, Eberhart, Schmelzer, and Holtschmidt. 3,335,-189.
Fischer, Peter, Holtschmidt, Oertel, and Braun. 3,334,-056.
Oertel, Gunter, Malz, Holtschmidt, and Degener. 3,311,677.
Pampus, Gottfried, Holtschmidt, and Freytag. 3,341,502.
Reischl, Artur, Holtschmidt, Neumann, and Simmler. 3,296,190.
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Zecher, Wilfried, and Holtschmidt. 3,297,726.
Zecher, Wilfried, and Holtschmidt. 3,305,574.

Holtschmidt, Hans, and H. Tarnow, to Farbenfabriken Bayer Aktiengesellschaft. Highly chlorinated nitrogen heterocyclic compounds and process for producing the same. 3,335,-151, 8–8–67, Cl. 260—319.1.
Holtschmidt, Hans, and W. Zecher, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of imodocarbonyl chlorides and similar compounds containing nitrogen and chlorine combined in an —N=CCL— radical. 3,347,762, 10–17–67, Cl. 204—158.
Holtz, Charles E., to Aerojet-General Corp. Detonation initiator. 3,320,889, 5–23–67, Cl. 102—70.2.
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Holtzclaw, John S., to Rametco, Inc. Electrical discharge machine electrodes. 3,303,559, 2–14–67, Cl. 29—420.5.
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Holub, Fred F., to General Electric Co. Polysiloxaneimides and their production. 3,325,450, 6–13–67, Cl. 260—46.5.
Holub, George M. Wheel checking instrument. 3,337,961, 8–29–67, Cl. 33—46.
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Holub, Jiri, to Smeralovy Zavody. Rolling machine. 3,304,-759, 2–21–67, Cl. 72—243.
Holub, Jiri, to Smeralovy zavody, narodni podnik. Carrier for auxiliary devices on a cross rolling mill. 3,318,132, 5–9–67, Cl. 72—250.
Holuba, Henry J.: *See*—
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Holy, John G. Lock seam joint. 3,332,711, 7–25–67, Cl. 287—189.36.
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Holyfield, Earl F. Cooling coil with condensate director. 3,306,071, 2–28–67, Cl. 62—290.
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Holz, Frederick H., W. C. Lutzke, and R. O. Blink, to Mitchell Mfg. Co. Knock-down table structure. 3,347,509, 10–17–67, Cl. 248—188.7.
Holz, William G. Traction-face arrangement for drum-type pulleys. 3,354,735, 11–28–67, Cl. 74—230.7.
Holzer, Walter. Device for making a momentary contact. 3,300,595, 1–24–67, Cl. 200—19.
Holzer, Walter. Escapement between an energy storage means and a driving pinion of stepwise intermittent movement. 3,326,052, 6–20–67, Cl. 74—1.5.
Holzer, Walter. Drive for switching means. 3,336,814, 8–22–67, Cl. 74—461.
Holzer, Walter. Electro-mechanical connections. 3,343,118, 9–19–67, Cl. 339—17.
Holzhauer, William T., and G. F. Ort, to Esso Research and Engineering Co. Structure for controlling the flow of bulk solids. 3,319,768, 5–16–67, Cl. 198—68.
Holzl, Robert A., to San Fernando Laboratories. Gaseous deposition method of making a thermocouple probe. 3,343,-589, 9–26–67, Cl. 164—46.
Holzman, Allen L., to United States of America, Navy. Means for vaporizing liquid propellants. 3,295,323, 1–3–67, Cl. 60—251.
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Holzwarth, Herbert, to Siemens & Halske Aktiengesellschaft. Amplifier for radio relay with cascade arrangement of directional guides and parametric amplifiers using common pump source. 3,334,299, 8–1–67, Cl. 325—9.
Holzwarth, Herbert, H. Leysieffer, and E. Gabler, to Siemens & Halske Aktiengesellschaft. Frequency modulator having two varactor diode oscillators, one weakly coupled the other strongly coupled to the mixing stage. 3,307,119, 2–28–67, Cl. 332—18.
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Homburger, Freddy. Filter cigarette. 3,297,038, 1–10–67, Cl. 131—10.5.
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Homer, Ronald F., to Imperial Chemical Industries, Ltd. 4,4'-bipyridylium quaternary salts. 3,326,926, 6–20–67, Cl. 260—296.
Homer, Ronald F., and J. E. Downes, to Imperial Chemical Industries Ltd. Herbicidal composition and method employing 4,4'-bipyridylium quaternary salts. 3,340,041, 9–5–67, Cl. 71—94.
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Homier, Paul A., and R. A. McDaniel, Jr., to West Point-Pepperell Inc. Method of making a composite product. 3,307,990, 3–7–67, Cl. 156—72.
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Homier, Robert I., and R. C. Posh, to Lear Siegler, Inc. Seat back positioning mechanism. 3,356,411, 12–5–67, Cl. 297—355
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Honaker, Harold H., and J. C. Judd, to International Nickel Co. Inc. Powder metallurgical production of chromium-containing alloys. 3,357,826, 12–12–67, Cl. 75—206.
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Honda, Juichi. Defrosting device for refrigeration unit. 3,310,956, 3–28–67, Cl. 62—196.
Honda, Soichiro, to Kabushiki Kaisha Honda Gujutsu Kenkyusho. Dust proof headlight assembly. 3,325,637, 6–13–67, Cl. 240—7.1.
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Hondzinski, Leonard J. Automobile floor mat washer. 3,333,-291, 8–1–67, Cl. 15—302.
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Stephens, Frederick N., and May. 3,312,357.
Honey, Raymond W.: *See*—
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Honeyball, Walter J., to English Electric Value Co. Ltd. Tunable electron discharge devices and cavities. 3,343,106, 9–19–67, Cl. 333—83.

Honeycutt, Ernest B., and H. P. Keating, to Union Carbide Corp. Stabilized low voltage alkaline primary cell. 3,317,351, 5–2–67, Cl. 136—106.

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Weil, Edward D. 3,325,354.
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Hoornstra, Clayton W., and P. R. Handt, to The Dow Chemical Co. 3,316,179, 4–25–67, Cl. 252—147.
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Hope, Frederick J. C., and F. G. Lambert. Anti-jack knife device. 3,328,051, 6–27–67, Cl. 280—432.
Hope, Henry. Machine for feeding X-ray film or the like. 3,312,462, 4–4–67, Cl. 271—4.
Hope, Henry. Air actuated switch for intermittent sheet control. 3,345,475, 10–3–67, Cl. 200—61.13.
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Hopff, Heinrich, and E. Kleiner, to Deutsche Gold-und Silber-Scheideanstalt vormals Roessler. Homo- and copolymerization of vinyl monomers using tautomeric pyruvic acid derivatives as catalysts. 3,354,134, 11–21–67, Cl. 260—89.5.
Hopff, Heinrich, and E. Kleiner, to Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Homo- and copolymerization of vinyl monomers using tautomeric anhydride or ketone derivatives as catalysts. 3,357,962, 12–12–67, Cl. 260—89.5.
Hopff, Heinrich, and E. Kleiner, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Homo- and copolymerization of vinyl monomers using tautomeric aldehyde derivatives as catalysts. 3,359,249, 12–19–67, Cl. 260—89.5.
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Hopkins, Henry S., Jr., and P. L. Gordon, to General Latex and Chemical Corp. Rigid polyurethane foams prepared by using as the active hydrogen component a mixture of (A) the transesterification product of pentaerythritol with castor oil and (B) polyester polyols. 3,356,621, 12–5–67, Cl. 260—2.5.
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Hopkins, John E., and D. R. Wilson, to Kaleigh Industries, Ltd. Cold forming of asymmetric articles. 3,314,277, 4–18–67, Cl. 72—375.
Hopkins, Joseph H., to General Motors Corp. Snap-in rod connector. 3,305,254, 2–21–67, Cl. 287—111.
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Hopkins, Kenneth W., to BP Tanker Co. Ltd. Mooring arrangement for ships. 3,315,630, 4–25–67, Cl. 114—230.
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Hopkins, Leslie A., to Hovercraft Development Ltd. Gas-cushion vehicles. 3,353,617, 11–21–67, Cl. 180—7.
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Hopkins, Leslie A., and A. R. Tripp, to National Research Development Corp. Apparatus for supporting a body on a gaseous cushion. 3,340,550, 9–12–67, Cl. 5—348.
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Hopkins, Lionel P. Arithmetic teaching apparatus. 3,333,350, 8–1–67, Cl. 35—31.
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Hopkins, Ross E., to Hopkins Mfg. Corp. Pouring attachment for a liquid container. 3,333,736, 8–1–67, Cl. 222—83.
Hopkins, Stephen. Waste collecting and compacting unit. 3,353,478, 11–21–67, Cl. 100—52.
Hopkins, Thomas R., to Spencer Chemical Co. Method of controlling plant growth. 3,328,156, 6–27–67, Cl. 71—2.6.
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Hopkinson, Eric C., and A. B. C. Marshall, to Dresser Industries, Inc. Detector gating system employed in a pulsed neutron logging system. 3,358,142, 12–12–67, Cl. 250—71.5.
Hopkinson, Paul O. W., to St. Barnabas Free Home, Inc. Diaphragm pump. 3,314,371, 4–18–67, Cl. 103—148.
Hopkinson, Paul O. W., Jr., to St. Barnabas Brotherhood, Inc. Method of forming fluid passages. 3,334,401, 8–8–67, Cl. 29—157.
Hopmeier, Arthur P., and J. W. Ingram, to Sun Chemical Corp. Process of producing phthalocyanine pigments. 3,351,-481, 11–7–67, Cl. 106—288.
Hopner, Emil, and D. H. Rumble, to International Business Machines Corp. Asynchronous data system transmitting before each data pulse a pulse of opposite polarity. 3,303,-424, 2–7–67, Cl. 325—44.
Hopner, Emil, H. L. Funk, and D. L. Critchlow, to International Business Machines Corp. Distortion correction circuitry for data transmission systems. 3,308,431, 3–7–67, Cl. 340—347.
Hopp, Harold P. Method of applying spark plug gaskets. 3,299,504, 1–24–67, Cl. 29—511.
Hopp, Harold P. Method of installing gaskets in captive relation on sparkplugs. 3,332,141, 7–25–67, Cl. 29—520.
Hoppe, Clemens B. Surgical suture extractor. 3,328,876, 7–4–67, Cl. 30—124.
Hoppe, Georg, and R. Dangschat, to Siemens-Schuckertwerke Aktiengeselischaft. Method of producing selenium midget rectifiers. 3,341,938, 9–19–67, Cl. 29—588.
Hoppe, John C., to Eastman Kodak Co. Photographic direct positive color process and element. 3,352,672, 11–14–67, Cl. 96—3.
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Hoppe, Peter, E. Weinbrenner, C. Muhlhausen, and K. Breer, ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Mobay Chemical Co. Apparatus for the manufacture of polyurethane plastics. 3,347,529, 10–17–67, Cl. 259—8.

Hoppe, Walter F., to Borg-Warner Corp. Appliance with pivotable backguard or the like. 3,320,944, 5–23–67, Cl. 126—214.

Hopper, Edward E., and C. A. Wentz, Jr., to Phillips Petroleum Co. Chemical reactions in composited tubular reaction zone and apparatus therefor. 3,305,600, 2–21–67, Cl. 260—683.15.

Hopper, James H., to United Aircraft Corp. Thermal garment. 3,295,594, 1–3–67, Cl. 165—46.

Hopper, John D., and F. B. Wells, to United States of America. Army. Flexible plasticized explosive of cyclonitramine and nitrocellulose and process therefor. 3,317,361, 5–2–67, Cl. 149—18.

Hopper, John D., and F. B. Wells, to United States of America, Army. Flexible explosive containing RDX and/or HMX and process therefor. 3,354,010, 11–21–67, Cl. 149—18.

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Hopper, Theodore R., to FMC Corp. Novel coating compositions. 3,331,795, 7–18–67, Cl. 260—28.5.

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Hopping, Alvin S. Electrical musical instrument having fingerboard with continuously variable finger tone spacing. 3,322,877, 5–30–67, Cl. 84—1.16.

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Hopps, Harvey B., to Aldrich Chemical Co., Inc. N-aralkyl amides of 4-phenyl-piperidino-4-alkanoic acids. 3,350,404, 10–31–67, Cl. 260—294.

Hopps, Jay N., Jr.: *See*—
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Hora, Heinrich, to International Business Machines Corp. Light displacement control system. 3,360,324, 12–26–67, Cl. 350—160.

Hora, Karl, to Firma "Canada" Tiefbohrgerate und Maschinenfabrik and Ing. S. Nadel & A. Nadel. Bar-coupling. 3,299,830, 1–24–67, Cl. 103—202.

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Horan, James E., and R. E. Van Strien, to Standard Oil Co. Vinyl resins containing metal salts of benzene tricarboxylic acids. 3,354,110, 11–21–67, Cl. 260—31.8.

Horan, John J. Window-mounted ventilating apparatus. 3,315,587, 4–25–67, Cl. 98—94.

Horan, John J. Flexural transducers. 3,325,780, 6–13–67, Cl. 340—10.

Horan, John J. Engine-ignition systems and components. 3,349,760, 10–31–67, Cl. 123—162.

Horan, John J. Externally stabilized lighting devices. 3,356,-811, 12–5–67, Cl. 240—81.

Horan, John J. Retail merchandising facilities and methods of using same. 3,360,077, 12–26–67, Cl. 186—1.

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Horberg, Charles, Jr., to Paramount Textile Machinery Co. Hosiery processing machinery and apparatus. 3,319,849, 5–16–67, Cl. 223—76.

Horberg, Charles Jr., to Paramount Textile Machinery Co. Method and apparatus for handling hosiery and the like. 3,319,851, 5–16–67, Cl. 223—112.

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Hordley, Albert E., and P. B. Kahn, to Plessey-UK, Ltd. Servo-actuating mechanisms. 3,315,940, 4–25–67, Cl. 253—1.

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Hordosi, Theodore L., to Western Electric Co., Inc. Automatic high speed test apparatus for testing continuity and shorts simultaneously on a plurality of circuit paths. 3,354,389, 11–21–67, Cl. 324—73.

Horecki, Walter R., to Pendleton Tool Industries, Inc. Storage and dispenser device for cut wire and the like. 3,360,-135, 12–26–67, Cl. 211—49.

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Horeth, John M., R. H. Langenheim, and W. D. Howard, to Esso Production Research Co. Automatic mud sampler and packager. 3,333,391, 8–1–67, Cl. 53—28.

Horetzke, John R., to Grand Steel & Mfg. Co. Hydraulic transformer. 3,310,943, 3–28–67, Cl. 60—54.5.

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Horgan, Thomas B., to International Business Machines Corp. Threshold logic circuit with quasi-linear current summing. 3,335,293, 8–8–67, Cl. 307—88.5.

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Horgan, William J., Jr., to Pittsburgh Plate Glass Co. Sliding glass door. 3,295,587, 1–3–67, Cl. 160—91.

Horgan, William J., Jr., to Pittsburgh Plate Glass Co. Structural gasket curtain wall. 3,336,707, 8–22–67, Cl. 52—281.

Hori, Eiichi, S. Hashimoto, and T. Saito, to Kabushiki Kaisha Kitachi Seisakusho. Device for sorting cards and like sheet articles. 3,323,645, 6–6–67, Cl. 209—74.

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Hori, Shiro, and H. Shimazono, to Takeda Chemical Industries, Ltd. Enhancing flavour of foods using flavouring enzyme produced by a microorganism of the genus Trametes. 3,348,952, 10–24–67, Cl. 99—116.

Hori, Tatsu, to Stanford Research Institute. Seed planting apparatus with automatic seed tape feed control. 3,331,532, 7–18–67, Cl. 221—13.

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Horie, Hideharu. Automatic device for operating the seat frame and back support of the hair dressing and beauty treatment chair. 3,311,407, 3–28–67, Cl. 297—71.

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Horie, Shoji, to Wacoal Inc. Panty girdle. 3,334,633, 8–8–67, Cl. 128—528.

Horiguchi, Shojiro, and M. Nakamura, to Dainichiseika Color & Chemicals Mfg. Co., Ltd. Reactive coloring matter, processes for producing the same and processes for coloring articles with the same. 3,337,288, 8–22–67, Cl. 8—4.

Horiguchi, Shojiro, and M. Nakamura, to Dainichiseika Color & Chemicals Mfg. Co., Ltd. Method of making a chromogen bonded polymer and products thereof. 3,344,098, 9–26–67, Cl. 260—22.

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Horiuchi, Soichiro, J. Hashimoto, K. Wakabayashi, K. Yamada, E. Masunaga, and I. Kishimoto, to Teijin Ltd. Method of producing viscose rayon staple and a spinning apparatus for use in the method. 3,341,645, 9–12–67, Cl. 264—196.

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Howard, Robert W., to McDonnell Douglas Corp. Flat sided duct connector. 3,357,722, 12–12–67, Cl. 285—109.
Howard, Thomas E., to United States of America, Interior. Undulatory conveyor. 3,343,655, 9–26–67, Cl. 198—218.
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Howden, Patrick F., to SDS Data Systems. Feedback amplifier. 3,299,367, 1–17–67, Cl. 330—104.
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Howe, Brian K., S. Andrus, and G. N. Davies. Production of hydrogen peroxide. 3,295,928, 1–3–67, Cl. 23—207.
Howe, Charles, and J. W. Abson, to Simon-Carves Ltd. Automatic counting device for counting particles. 3,299,256, 1–17–67, Cl. 235—92.
Howe, Charles P. Superposed well tubing assembly of separate tubing strings and method of supporting same. 3,299,956, 1–24–67, Cl. 166—49.
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Howe, David O., J. E. Etzel, and A. P. Miller, to Commercial Solvents Corp. Anaerobic treatment of organic industrial wastes in an artificial lagoon. 3,300,404, 1–24–67, Cl. 210—11.

Howe, Dwight S. Trampoline diving platform. 3,310,305, 3–21–67, Cl. 272—65.

Howe, Edwin W., to American Bosch Arma Corp. Gyroscope apparatus. 3,301,073, 1–31–67, Cl. 74—5.7.

Howe, Frederick A., and R. I. Bell, to United Kingdom Atomic Energy Authority. Annular electrodes in differential pumping tubes for electrostatic accelerators. 3,342,404, 9–19–67, Cl. 230—69.

Howe, King L., to E. I. du Pont de Nemours and Co. Methyl methacrylate compositions containing halogen substituted acid alkyl esters of orthophosphoric acid. 3,347,818, 10–17–67, Cl. 260—45.7.

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Howe, Ralph, to Imperial Chemical Industries Ltd. Optically active naphthylethanolamines and the salts thereof. 3,312,-733, 4–4–67, Cl. 260—501.

Howe, Ralph, and B. J. McLoughlin, to Imperial Chemical Industries Ltd. (3-Amino-2-hydroxypropoxy)-benzoheterocyclic derivatives. 3,340,266, 9–5–67, Cl. 260—288.

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Howe, Warren B., and W. Kyle, to Addressograph Multigraph Corp. Tandem printer control. 3,354,821, 11–28–67, Cl. 101—142.

Howell, Alleyne C., Jr. Conductor bar. 3,303,293, 2–7–67, Cl. 191—23.

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Howell, David S., to Arlington Aluminum Co. Folding easel. 3,295,815, 1–3–67, Cl. 248—464.

Howell, David S., to Arlington Aluminum Co. Literature display and dispensing rack. 3,313,513, 4–11–67, Cl. 248—441.

Howell, Derek, to Telephone Mfg. Co. Ltd. Telephone systems and apparatus. 3,345,467, 10–3–67, Cl. 179—81.

Howell, Dixie M., to Kellwood Co. Nightgown and built-in bust support. 3,316,915, 5–2–67, Cl. 128—454.

Howell, E. Keith, to General Electric, Co. Power control circuits utilizing a bi-directional semiconductor. 3,310,-687, 3–21–67, Cl. 307—88.5.

Howell, Edward K., to General Electric Co. Snap-action trigger circuit for semiconductor switching devices. 3,321,-641, 5–23–67, Cl. 307—88.5.

Howell, Edward K., to General Electric Co. Power control circuits. 3,346,744, 10–10–67, Cl. 307—88.5.

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Howell, Edward K., to General Electric Co. Phase control circuits for light activated switches using a variable resistor with an A.C. voltage across it as the phase control. 3,354,-312, 11–21–67, Cl. 250—206.

Howell, Edward K., to General Electric Co. Power control circuits using bi-directional controllable semiconductor switching devices. 3,360,713, 12–26–67, Cl. 323—22.

Howell, Elvin L., and C. M. Hyman, to International Harvester Co. Straw chopper and spreader. 3,350,017, 10–31–67, Cl. 239—660.

Howell, John R., to Owens-Illinois, Inc. Container and inner packing element therefor for elongate fragile articles. 3,311,232, 3–28–67, Cl. 206—65.

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Howell, Robert B. Separable concealed slide fasteners. 3,324,-522, 6–13–67, Cl. 24—205.1.

Howell, Robert B. Universal presser foot attachment. 3,342,-151, 9–19–67, Cl. 112—235.

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Howell, Thomas G., and A. B. Collie; said Collie, assor. to said Howell. Attachment device for small appliances. 3,343,-772, 9–26–67, Cl. 248—206.

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Howgate, David W., to United States of America, Army. Method and apparatus for analysis of gaseous discharge products from flames by electron-paramagnetic resonance. 3,348,135, 10–17–67, Cl. 324—.5.

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Howland, Earl W. Aircraft instrument illumination. 3,320,-412, 5–16–67, Cl. 240—2.1.

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Howland, Leland L., and H. E. McClure, to Thermo King Corp. Differential control device. 3,359,749, 12–26–67, Cl. 62—140.

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Howsare, Lewis D. Drill jigs. 3,352,183, 11–14–67, Cl. 77—62.

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Hoyler, Alfred, to Robert Bosch G.m.b.H. Windshield wiper installation. 3,336,619, 8–22–67, Cl. 15—250.14.
Hoynanian, Hrair P., and T. A. Brennan, to Avco Corp. Microscope system with means for viewing the entire image and means for measuring radiation from a selected segment of image. 3,297,873, 1–10–67, Cl. 250—71.
Hoynes, Degfin S., to United States of America, Commerce. Antenna system employing human body as radiator. 3,329,957, 7–4–67, Cl. 343—718.
Hoyt, Edwin R., to Hexcel Products Inc. Strip cutting and packing machine for manufacturing cellular core. 3,307,440, 3–7–67, Cl. 83—170.
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Hoyt, Jack W., to United States of America, Navy. Turbulent friction measurement. 3,327,522, 6–27–67, Cl. 73—55.
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Hoyt, John M., C. E. Frank, and K. Koch, to National Distillers and Chemical Corp. Dipolar aprotic solvent system for polymerization of bis-(α-haloalkyl) aromatic compounds in the presence of a coupling agent. 3,345,332, 10–3–67, Cl. 260—47.
Hoyt, John M., and C. A. Sprang, to National Distillers and Chemical Corp. Process for copolymerization of bis-(α-haloalkyl) aromatic compounds with vinyl compounds in the presence of a coupling agent. 3,347,825, 10–17–67, Cl. 260—47.
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Hraboweckyj, Mykola. Vehicle heating method and apparatus. 3,304,004, 2–14–67, Cl. 237—12.3.
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Hrapshaw, Bruce B., to Eaton Yale & Towne Inc. Humidifying apparatus. 3,334,875, 8–8–67, Cl. 261—29.
Hrdina, Jiri, to Ceskoslovenska, Akademie ved. Apparatus for paper electrophoresis. 3,303,120, 2–7–67, Cl. 204—299.
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Hruby, John O., Jr., to Rain Jet Corp. Multiple outlet water discharge head with internal flow distributing baffle. 3,301,490, 1–31–67, Cl. 239—227.
Hruby, John O., Jr., to Rain Jet Corp. Flow regulating turbulence arrestor for centrifugal pumps. 3,304,007, 2–14–67, Cl. 239—23.
Hruby, John O., Jr., to Rain Jet Corp. Pop-up lawn sprinkler with regulating valve. 3,323,725, 6–6–67, Cl. 239—205.
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Hruby, John O., Jr., and W. W. Frempter, to Rain Jet Corp. Liquid discharge. 3,341,133, 9–12–67, Cl. 39—598.
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Hsi, Richard S. P., to The Upjohn Co. Alkyl carbamates of carboalkoxy salicylanilides. 3,349,112, 10–24–67, Cl. 260—471.
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Hsieh, Henry L., and J. A. Favre, to Phillips Petroleum Co. Production of polymetallated 1-acetylenes. 3,303,225, 2–7–67, Cl. 260—665.
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Huang, Denis K., and H. B. Moors, to International Paper Co. Composition for sealing plastic coated containers. 3,319,868, 5–16–67, Cl. 229—17.

Huang, Hsing T., and G. M. Shull, to Chas. Pfizer & Co., Inc. Flavor improvement for foodstuffs comprising treating foodstuffs with a compound of the group of 5(4)-amino-4(5)-imidazolecarboxamide riboside-5'-phosphoric acid and nontoxic salts thereof. 3,355,301, 11–28–67, Cl. 99—140.

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Hubbard, Albert L. Lawn renovator. 3,321,026, 5–23–67, Cl. 172—45.

Hubbard, Arthur F., to American Air Filter Co., Inc. Fluid heater having a hot gas conduit. 3,329,140, 7–4–67, Cl. 126—110.

Hubbard, Arthur L., to Deere & Co. Pressure plate assembly for cotton picker tunnel. 3,316,697, 5–2–67, Cl. 56—44.

Hubbard, Arthur L., to Deere & Co. Cotton picker. 3,352,092, 11–14–67, Cl. 56—12.

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Hubbard, John S. Overhead maintenance apparatus. 3,299,-983, 1–24–67, Cl. 182—63.

Hubbard, John S. Towing vehicle. 3,322,396, 5–30–67, Cl. 254—139.1.

Hubbard, Raymond E. Disposable medicinal syringe. 3,308,-820, 3–14–67, Cl. 128—216.

Hubbard, Richard W., and D. Kremen, to Beckman Instruments, Inc. Optical analyzing apparatus having rectilinear light source and flattened-ellipse shaped fluid cell. 3,333,-107, 7–25–67, Cl. 250—218.

Hubbard, S. Eugene, to American Metal Climax, Inc. Caster for sliding panel. 3,334,375, 8–8–67, Cl. 16—97.

Hubbard, Terence P., to Imperial Chemical Industries Ltd. Polymer chip cutter. 3,329,049, 7–4–67, Cl. 83—47.

Hubbard, William C., and N. Nicoloff, to United States of America, Navy. Marine equipment launcher and retriever. 3,303,945, 2–14–67, Cl. 214—15.

Hubbard, Winchester L.: *See*—
Covey, Rupert A., Smith, and Hubbard. 3,311,534.
Hageman, Howard A., and Hubbard. 3,318,677.
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Hubbell, Harvey Inc.: *See*—
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Carlson, Ernest R. 3,339,171.
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Misencik, John, Mackiewicz, and Poarch. 3,350,675.
Pistey, John, and Strang. 3,343,041.
Riley, George A. 3,313,903.
Von Holtz, Charles T. 3,309,647.
Von Holtz, Charles T. 3,324,448.
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Hubbell, Henry, to The Fafnir Bearing Co. Method of welding retainer rings. 3,313,582, 4–11–67, Cl. 308—201.

Hubbell, Robert F.: *See*—
Reiner, Kenneth, and Hubbell. 3,298,506.

Hubbert, B. H., & Sons, Inc.: *See*—
Trevillian, Walter W., and Dotterweich. 3,321,136.

Hubble, David H., and W. H. Powers, to United States Steel Corp. Method of making magnesium oxide fibers. 3,326,636, 6–20–67, Cl. 23—201.

Hubble, Gerald A.: *See*—
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Hubbuch, Leo P., to E. I. du Pont de Nemours and Co. Electric heating element. 3,359,525, 12–19–67, Cl. 338—308.

Hubbs, John C., to E-H Research Laboratories, Inc. Pulse generator. 3,309,540, 3–14–67, Cl. 307—106.

Hubby, Laurence M., to Texaco Inc. Method for measuring two-phase fluid flow. 3,304,766, 2–21–67, Cl. 73—61.1.

Hubby, Laurence M., to Texaco Inc. Control system for subsea apparatus. 3,338,302, 8–29–67, Cl. 166—.5.

Hubby, Laurence M., to Texaco Inc. Well completion apparatus. 3,357,492, 12–12–67, Cl. 166—106.

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Giesecke, Gunter, and Arnold. 3,358,721.

Hubel, Werner: *See*—
Schmitt, Karl, Disteldorf, and Hubel. 3,352,913.

Hubeny, Jerry A. Broken part detector and machine control. 3,301,100, 1–31–67, Cl. 77—5.

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Aylesworth, Robert D., Huber, and Foulks. 3,330,789.

Huber, Clarence F., H. C. Foulks, Jr., and R. D. Aylesworth, to Emery Industries, Inc. Polyesters from dibasic acids, monobasic acids, glycols, and trihydric alcohols as plasticizers for vinyl resins. 3,331,802, 7–18–67, Cl. 260—31.6.

Huber, Dorothy M. Diffuser for highway luminaire. 3,342,985, 9–19–67, Cl. 240—25.

Huber, Erich: *See*—
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Huber, Francis C., to Allied Chemical Corp. Plasticizer compositions stabilized with a tertiary-butyl catechol. 3,326,707, 6–20–67, Cl. 106—316.

Huber, Franz R., and M. Schiller, to Rohde & Schwarz. Parallel dipole array supported on insulator having a low dielectric constant. 3,299,430, 1–17–67, Cl. 343—812.

Huber, Gerhard: *See*—
Prave, Paul, and Huber. 3,317,404.

Huber, Harry, and R. Le Blhan, to CSF-Compagnie Generale de Telegraphie Sans Fil. Fuel cell including electrodes having two dissimilar surfaces. 3,300,343, 1–24–67, Cl. 136—86.

Huber, Harry, and D. Maugis, to CSF-Compagnie Generale de Telegraphie Sans Fil. Cavity type particle stream accelerator having a non-isothermal chamber. 3,346,750, 10–10–67, Cl. 313—231.

Huber, J. M., Corp.: *See*—
Aboytes, Peter, and Iannicelli. 3,323,932.
Aboytes, Peter, and Iannicelli. 3,335,020.
Feller, Harold L. 3,320,032.
Feller, Harold L. 3,325,276.
Feller, Harold L. 3,331,662.
Maynard, Robert N., and Iannicelli. 3,320,027.
Mays, Robert K., and Bertorelli. 3,328,124.
Mays, Robert K., and Bertorelli. 3,328,125.
Oxford, Edward F., and Barton. 3,308,895.
Selfridge, Frank W. 3,340,010.
Voet, Andries. 3,330,799.
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White, Herbert V., Jr. 3,314,444.

Huber, John A.: *See*—
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Huber, Ludwig K.: *See*—
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Huber, Ludwig K., to Pennsalt Chemical Corp. Process for preparing N-formyl compounds using boric acid as catalyst. 3,347,916, 10–17–67, Cl. 260—561.

Huber, Mortimer J. Gear case vent. 3,308,681, 3–14–67, Cl. 74—606.

Huber, Mortimer J., to Motion Products Mfg. Co., Inc. Hydraulic torque relief mechanism. 3,321,856, 5–30–67, Cl. 40—33.

Huber, Otto C., Jr.: *See*—
Krueger, Grant E., Mohr, and Huber. 3,355,805.

Huber, Richard, to Varta Aktiengesellschaft. Primary battery having one of the electrodes wound up on a rotatable shaft. 3,357,864, 12–12–67, Cl. 136—113.

Huber, Robert, to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie, S.A. Power plants comprising at least one main gas-engine driven by power gas supplied by a gas-generator and at least one auxiliary engine. 3,316,711, 5–2–67, Cl. 60—13.

Huber, Ronald F., to Joslyn Mfg. and Supply Co. Stress relief apparatus. 3,318,992, 5–9–67, Cl. 174—73.

Huber, Ronald F., to Joslyn Mfg. and Supply Co. Stress relief apparatus. 3,335,215, 8–8–67, Cl. 174—73.

Huber, Walter E.: *See*—
Beindorf, Lucien J., Huber, and Terhune. 3,329,013.

Huber, Walter G., and G. C. Peterson, to Cogsdill Tool Products, Inc. Burnishing tool. 3,320,652, 5–23–67, Cl. 29—90.

Huber, William A., to United States of America, Army. Adaptive memory frequency stabilized oscillator. 3,320,-545, 5–16–67, Cl. 331—17.

Hubert, Andre J., to Union Carbide Corp. Novel process for the preparation of olefinic compounds and derivatives thereof. 3,347,943, 10–17–67, Cl. 260—666.

Hubert, Clarence A., and J. R. McGirk, to International Harvester Co. Combine grain tank loading and unloading system. 3,339,758, 9–5–67, Cl. 214—17.

Hubert, Claudine P. Water catcher for washing machine. 3,304,950, 2–21–67, Cl. 137—312.

Hubert, Jean M. A., to Societe d'Etudes et d'Exploitation pour le Transport Continu par Canalisation Mobile. Rolling conveyor systems. 3,332,535, 7–25–67, Cl. 198—141.

Hübner, Rolf. Gas analyzer with testing mode. 3,343,402, 9–26–67, Cl. 73—23.

Hubrich, Frederick M., to General Electric Co. Electric hair dryer having combined motor switch and thermostatic heater switch control means. 3,303,325, 2–7–67, Cl. 219—364.

Hubrich, Frederick M., to John Oster Mfg. Co. Control means to energize a combination can opener and knife sharpener. 3,307,255, 3–7–67, Cl. 30—4.

Hucal, William. Binding tool. 3,302,668, 2–7–67, Cl. 140—92.3.

Huck, Charles M. Bedside and portable drainage collector. 3,309,008, 3–14–67, Cl. 229—62.

Huck, George E., and B. C. Irwin, to American Pipe and Construction, Co. Means for controlling manufacture of wire cages. 3,310,074, 3–21–67, Cl. 140—112.

Huck Mfg. Co.: *See*—
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Schwab, Charles J., and Swanson. 3,329,000.
Huck, Rodney M., to Monsanto Co. Production of fast-curing phenol-aldehyde novolac resins employing a boric acid or borate salt catalyst. 3,332,911, 7–25–67, Cl. 260—57.
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Huck, William F. Method and apparatus for turning the path of continuous webs collated in register. 3,298,581, 1–17–67, Cl. 226—2.
Huck, William F. Web registering and tension control system for multi-unit presses. 3,326,436, 6–20–67, Cl. 226—25.
Huck, William F. Positioning controls for splicing rollstands. 3,326,485, 6–20–67, Cl. 242—58.3.
Huck, William F., d.b.a. Huck Co.: *See*—
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Blessing, Hubert. 3,326,486.
Huck, William F. Rollstands for carrying web rolls having different axial widths. 3,326,487, 6–20–67, Cl. 242—64.
Huck, William F. Pasting rollers for splicing rollstand. 3,353,765, 11–21–67, Cl. 242—58.3.
Huck, William F. Web-roll driving apparatus for automatic splicing rollstand. 3,355,120, 11–28–67, Cl. 242—58.3.
Huck, William L. Chaff trailer. 3,351,384, 11–7–67, Cl. 298—26.
Huckabay, William B., and W. H. Parker, to Rayflex Exploration Co. Marine seismic surveying. 3,304,533, 2–14–67, Cl. 340—7.
Hucke, Edward E., to Valley Co., Inc. Process of making an article having a hard carbide, boride or silicide outer region. 3,348,967, 10–24–67, Cl. 117—118.
Hucke, William L., III, to Westinghouse Electric Corp. Flat-pack circuit modules assembly. 3,316,455, 4–25–67, Cl. 317—100.
Huckins, Harold A., Jr., H. Gilman, and T. W. Stein, to Halcon International, Inc. Process for producing styrene. 3,330,878, 7–11–67, Cl. 260—669.
Huckshold, Elmer J., to Allegheny Ludlum Steel Corp. Connectors. 3,360,285, 12–26–67, Cl. 287—2.
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Hudak, Edward G., and R. A. Browning, Jr., to The Coe Mfg. Co. Rotary knife clipper. 3,296,909, 1–10–67, Cl. 83—305.
Hudak, Nicholas J., to General Electric Co. Automatic gain control amplifier. 3,333,208, 7–25–67, Cl. 330—59.
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Hudgin, Donald E.: *See*—
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Hudgins, Garland: *See*—
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Hudson Engineering Corp.: *See*—
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Gunter, Addison Y., and Owen. 3,355,788.
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Pinke, August H. 3,343,795.
Pinke, August H. 3,343,804.
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Hudson, James W., H. I. Stanback, and D. D. Butler, to Square D Co. Underfloor wiring duct with access opening collar, clamping plate, plug, and adapter. 3,334,457, 8–8–67, Cl. 52—221.
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Hudson, Lena M., to Bausch & Lomb Inc. Optically compensated loom type optical objective. 3,307,898, 3–7–67, Cl. 350—184.
Hudson, Lena M., to Bausch & Lomb Inc. Four component symmetrical copying objective. 3,348,900, 10–24–67, Cl. 350—209.
Hudson, Lena M., to Bausch & Lomb Inc. Five component objective lens. 3,348,901, 10–24–67, Cl. 350—210.
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Hudson, Robert C., to General Electric Co. Bolt-in connector. 3,302,158, 1–31–67, Cl. 339—22.
Hudson, Robert M., and K. J. Riedy, to United States Steel, Corp. Embrittlement-free pickling of ferrous metal. 3,310,497, 3–21–67, Cl. 252—146.
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Hudson, William, to Corning Glass Works. Manufacture of cathode ray tubes for color television. 3,319,818, 5–16–67, Cl. 220—2.1.
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Huebner, Charles F., to Ciba Corp. 2-indanyl-hydrazines and salts thereof. 3,352,876, 11–14–67, Cl. 260—295.
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Huebsch, Joseph O., Jr., to McGraw-Edison Co. Pressing and ironing apparatus. 3,320,689, 5–23–67, Cl. 38—25.
Huebsch, Monte F., Sr., to McGraw-Edison Co. Pressing apparatus. 3,304,635, 2–21–67, Cl. 38—25.
Huegel, Albrecht V., to Bell Aerospace Corp. Air cushion vehicle trunk system. 3,327,800, 6–27–67, Cl. 180—7.
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Anderson, Donald L., Walton, and Huelskamp. 3,339,275.
Huelskamp, Richard F., to Sylvania Electric Products, Inc. Antenna nutation mechanism with polarization control. 3,312,975, 4–4–67, Cl. 343—760.
Huelsman, Kenneth A., to Weston Instruments, Inc. Voltage to frequency converter utilizing voltage controlled oscillator and operational amplifier. 3,327,229, 6–20–67, Cl. 328—150.
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Huenig, Siegfried, and E. Luecke, to Badische-Anilin- & Soda-Fabrik Aktiengesellschaft. Production of omega-aminoketocarboxylic acids. 3,359,290, 12–19–67, Cl. 260—404.
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Huff, James R., to Allis-Chalmers Mfg. Co. Preparation of boron-doped silver oxygen electrode. 3,325,311, 6–13–67, Cl. 136—86.
Huff, Jon O. Reinforced filter with replaceable cartridge. 3,303,933, 2–14–67, Cl. 210—441.

Huff, Joseph F. Contour positioning device. 3,349,983, 10–31–67, Cl. 228—7.
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Huff, Norman M., and M. A. Kruse, to Harper-Wyman Co. Infrared gas burner. 3,322,112, 5–30–67, Cl. 126—41.
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Huffman, Carl L., to Vulcan-Hart Corp. Heat distribution system for gas-fired ovens. 3,324,844, 6–13–67, Cl. 126—21.
Huffman, Clarence W., to International Minerals & Chemical Corp. Phosphonate purification process. 3,335,205, 8–8–67, Cl. 260—990.
Huffman, Clarence W., J. C. Engibous, and J. B. Skaptason, to International Minerals & Chemical Corp. Composition and method for controlling nematodes with organic metal chelates. 3,303,090, 2–7–67, Cl. 167—22.
Huffman, Clayton D., and R. W. Hartung, to Union Steel Products Co. Bread cooling apparatus. 3,321,061, 5–23–67, Cl. 198—31.
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Huffman, Henry R., and D. J. I. Evans, to St. Joseph Lead Co., and Tsumeb Corp., Ltd. Dispersion strengthened lead battery grids. 3,310,438, 3–21–67, Cl. 136—36.
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Huffman, Kenneth R., and E. F. Ullman, to American Cyanamid Co. Photochromic benzofuran compounds. 3,321,491, 5–23–67, Cl. 260—346.2.
Huffman, Kenneth R., and E. F. Ullman, to American Cyanamid Co. Novel furan and thiophene compounds. 3,331,-854, 7–18–67, Cl. 260—330.5.
Huffman, Kenneth R., and E. F. Ullman, to American Cyanamid Co. 3-aroyl-(2-arylmethyl)chromones. 3,331,859, 7–18–67, Cl. 260—345.2.
Huffman, Robert J., and C. G. Corrello, to Celanese Corp. Filter. 3,326,221, 6–20–67, Cl. 131—267.
Huffman, Ronald E. Fluid pressure control for model aircraft. 3,355,838, 12–5–67, Cl. 46—78.
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Smith, Ralph W., Huffman, and Preston. 3,354,125.
Huffman, William A. H., J. R. Holsten, and J. Preston, to Monsanto Co. Polycarbonamides from β-phenylenebis(dimethylacetic acid) and its derivatives. 3,335,114, 8–8–67, Cl. 260—78.
Huffman, William A. H., deceased (by E. H. Huffman, executrix), and J. B. Clements, to Monsanto Co. Aqueous zinc chloride solutions of vinylene glycol polymers. 3,344,102, 9–26–67, Cl. 260—29.6.
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Hufnagel, Robert E., and R. M. Scott, to The Perkin-Elmer Corp. Scanning system for recording pictorial data. 3,316,348, 4–25–67, Cl. 178—6.7.
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Hulley, Bruce G., to Allis-Chalmers Mfg. Co. Flexible coupling. 3,316,737, 5–2–67, Cl. 64—13.
Hullhorst, William B., to Owens-Corning Fiberglas Corp. Apparatus for materials handling. 3,346,128, 10–10–67, Cl. 214—6
Hullhorst, William B., and P. F. Lockett, to Owens-Corning Fiberglas Corp. Packaging compressible material. 3,327,449, 6–27–67, Cl. 53—24.
Hulliger, Fritz, to American Cyanamid Co. Superconducting compositions. 3,295,931, 1–3–67, Cl. 23—315.
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Hulliger, Fritz, to American Cyanamid Co. Semiconductors and devices employing the same. 3,356,464, 12–5–67, Cl. 23—315.
Hulls, Leonard R.: *See*—
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Hulls, Leonard R., to Leeds and Northrup Co. Saturable core transducers. 3,305,770, 2–21–67, Cl. 323—89.
Hulls, Leonard R., and R. H. Henderson, to Leeds & Northrup Co. Load control systems using magnetic amplifiers and controlled rectifiers. 3,302,085, 1–31–67, Cl. 318—207.
Hullstrung, Dieter, H. Haberland, H. Kunze, and H. Heinz, to Farbenfabriken Bayer Aktiengesellschaft. Process for oxidizing hydrocarbons. 3,312,719, 4–4–67, Cl. 260—348.5.
Hulman, Jule, and B. Fisher, to United System Corp. Multidigit decimal presentation means for digital meters. 3,350,-639, 10–31–67, Cl. 324—115.
Hulme, Jack R., to Halliburton Co. Fluid flow direction indicator. 3,299,702, 1–24–67, Cl. 73—188.
Hulse, Murlin L. Pull-tab, quick-opening container. 3,302,-823, 2–7–67, Cl. 220—54.
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Hulsebus, Richard P., and J. H. Koerber, to Outboard Marine Corp. Seal having a drawn thin walled wear sleeve. 3,337,221, 8–22–67, Cl. 277—8.
Hulsey, Eldon E. Variable orifice valve. 3,329,390, 7–4–67, Cl. 251—4.
Hulsey, William J., to United States of America, Atomic Energy Commission. Cellular structure. 3,340,023, 9–5–67, Cl. 29—183.
Hulslander, William L., to Dresser Industries, Inc. Lubricated tapping T. Re. 26,224, 6–20–67, Cl. 77—38.
Hulslander, William L., to Dresser Industries, Inc. Plug valve with floating seal. 3,360,236, 12–26–67, Cl. 251—184.
Hulslander, William L., C. Glover, and R. N. Paterson, to Dresser Industries, Inc. Tapping T tool having penetrating end with threaded bore. 3,302,493, 2–7–67, Cl. 77—42.
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Hulteen, Leonard A., and W. H. Gilliland, to USCO Power Equipment Corp. Expulsion-type interrupter for high voltage disconnect switch. 3,308,259, 3–7–67, Cl. 200—146.
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Hulterstrum, Harold D., to Flambeau Plastics Corp. Food processing device. 3,352,340, 11–14–67, Cl. 146—213.
Hultgren, Eric G., to United Tool & Plastics, Inc. Lipstick device. 3,298,509, 1–17–67, Cl. 206—56.
Hultgren, Eric G., and W. J. Landen, to International Silver Co. Compact case construction. 3,342,190, 9–19–67, Cl. 132—83.
Hultgren, George W., to United Tool & Plastics, Inc. Ornamental cover for lipstick devices and the like. 3,338,458, 8–29–67, Cl. 220—63.
Hultgren, Hjalmar H., to Alfa-Laval AB. Apparatus for delivering material to storage containers. 3,298,748, 1–17–67, Cl. 302—60.
Hultgren, Karl S. R., to Aktiebolaget Bofors. Closure device for closing an entrance opening. 3,315,412, 4–25–67, Cl. 49—246.
Hultgren, Karl S. R., and L. G. R. Engberg, to Aktiebolaget Bofors. Steering device for a track-laying vehicle. 3,358,786, 12–19–67, Cl. 180—6.7.
Hultgren, Nils L., to Aktiebolaget Electrolux. Heat operated refrigerator operable on gas or electricity and control mechanism therefor. 3,295,334, 1–3–67, Cl. 62—148.
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Hultman, Stanley J., G. L. Rich, D. B. Dailey and D. E. Tunison, Jr., to Pittsburgh Plate Glass Co. Process of roasting chromite ore to produce sodium chromate. 3,336,102, 8–15–67, Cl. 23—56.
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Humber, Leslie G., and M. A. Davis, to American Home Products Corp. Hexahydrobenzo (6,7) cyclohepta (1,2,3-d,e) isoquinoline carboxamidine. 3,354,162, 11–21–67, Cl. 260—286.
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Humbert, Jacques, and R. Pelardy, to Commissariat a l'Energie Atomique. Device for engaging slings or like members over lifting hooks. 3,339,767, 9–5–67, Cl. 214—628.
Humbert, Kingsley E., Jr., to Wix Corp. Filter apparatus. 3,297,160, 1–10–67, Cl. 210—94.
Humbert, Kingsley E., Jr., to Wix Corp. Method of making a filter element. 3,306,794, 2–28–67, Cl. 156—69.
Humbert, Kingsley E., Jr., to Wix Corp. Filter unit employing in combination one-way and pressure relief valve. 3,332,554, 7–25–67, Cl. 210—130.
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Humiston, John H., to Scovill Mfg. Co. Magnetic fastening means. 3,324,521, 6–13–67, Cl. 24—201.
Hummel, Edwin C. Label holder for comb binding. 3,335,508, 8–15–67, Cl. 40—10.
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Hummel, Hermann, to Telefunken Patentverwertungsgesellschaft m.b.H. Information storage and transfer system for digital computers. 3,351,909, 11–7–67, Cl. 340—172.5.
Hummel, Max. Apparatus for opening and closing, respectively, windows and hatches on boats. 3,320,698, 5–23–67, Cl. 49—340.
Hummel, Raymond J., to H&H Plastics Mfg. Co. Method of making a plastic clothes protector. 3,359,149, 12–19–67, Cl. 156—204.
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Kirkhof, Russel H., R. T. Hummel, Sr., R. J. Hummel, Jr., and O'Brien. 3,321,888.
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Kirkhof, Russel H., R. T. Hummel, Sr., R. J. Hummel, Jr., and O'Brien. 3,321,888.
Hummel, Wiley M., and R. W. Gustafson, to General Electric Co. Thermostatic device with compensation for internal heat. 3,344,252, 9–26–67, Cl. 200—140.

Humpherys, Allan S., and J. A. Bondurant, to United States of America, Agriculture. Automatic irrigation gate. 3,300,985, 1–31–67, Cl. 61—25.
Humpherys, Bernarr H., to United States of America, Navy. IFF automatic alarm. 3,296,592, 1–3–67, Cl. 340—167.
Humpherys, Bernarr H., to United States of America, Navy. Single delay line double defruiter. 3,302,197, 1–31–67, Cl. 343—6.5.
Humpherys, Bernarr H., to United States of America, Navy. Digital synchronizer. 3,305,860, 2–21–67, Cl. 343—6.5.
Humpherys, Bernarr H. Pulse width shaper. 3,316,424, 4–25–67, Cl. 307—88.5.
Humphlett, Wilbert J., D. L. Johnson, and G. M. Haist, to Eastman Kodak Co. Process for stabilizing photographic images with heat. 3,301,678, 1–31–67, Cl. 96—61.
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Humphrey, David H. Combination desk and couch. 3,337,879, 8–29–67, Cl. 5—3.
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Humphrey, Dean E., L. Shapiro, and P. W. Wilder, Jr., to Pennsalt Chemicals Corp. Centrifuge having frusto-conical screen with means to improve screen life. 3,315,810, 4–25–67, Cl. 210—369.
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Humphrey, John G., to General Electric Co. Non-blocking keyed automatic gain control system. 3,301,951, 1–31–67, Cl. 178—7.3.
Humphrey, John G., to General Electric Co. Blanking circuit arrangement for a television system utilizing pulses derived from the high voltage power supply circuit. 3,303,282, 2–7–67, Cl. 178—7.5.
Humphrey, Laurence E., G. I. Addis, and R. C. Hess, to Union Carbide Corp. Process for the production of alkali metal composite electrical conductors. 3,333,037, 7–25–67, Cl. 264—105.
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Humphrey, Laurence E., G. I. Addis, and R. C. Hess, to Union Carbide Corp. Alkali metal electrical conductors with reactive polymer insulation. 3,333,050, 7–25–67, Cl. 174—120.
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Humphrey, Raymond A., to Esso Production Research Co. Method of sealing a permeable porous medium. 3,302,733, 2–7–67, Cl. 175—59.
Humphrey, Raymond A., to Esso Production Research Co. Low invasion coring fluid. 3,314,489, 4–18–67, Cl. 175—59.
Humphrey, Richard L.: *See*—
Winkler, Eva M., and Humphrey. 3,351,799.
Humphrey, Robert, to Bayside Watch Tool Co., Inc. Mechanical timer. 3,353,412, 11–21–67, Cl. 74—3.52.
Humphrey, Walter J., to Kelly-Moore Paint Co., Inc. Air actuated clutch assembly. 3,339,424, 9–5–67, Cl. 74—230.24.
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Humphreys, George B., to Kaiser Industries Corp. Desalination by osmosis and change of state. 3,357,917, 12–12–67, Cl. 210—22.
Humphreys, Ira B., to Humphreys Engineering Co. Cyclonic counterflow separator. 3,323,646, 6–6–67, Cl. 209—211.
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Hundt, Donald D., D. G. Greenlie, deceased (by M. G. Greenlie, administratrix), to W. R. Grace & Co. Inflatable gasket for pipe joints. 3,360,273, 12–26–67, Cl. 277—34.
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Hungerford, William J., J. W. Larmer, and M. Levinsohn, to United States of America, National Aeronautics and Space Administration. Conforming polisher for aspheric surfaces of revolution. 3,341,977, 9–19–67, Cl. 51—57.
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Bacon, Oliver M. 3,350,304.
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Hunstiger, Francis, to Harris-Intertype Corp. Electrophotographic apparatus. 3,307,457, 3–7–67, Cl. 95—1.7.
Hunstiger, Francis, and H. E. Drake, to Harris-Intertype Corp. Electrophotographic apparatus. 3,307,458, 3–7–67, Cl. 95—1.7.
Hunsucker, Eugene R., to The Goodyear Tire & Rubber Co. Adhesive composition comprising mixture of a phenol-formaldehyde resin and a polybutadiene rubber latex. 3,300,426, 1–24–67, Cl. 260—29.3.
Hunsucker, William A. Interlocking sheet piles and method of installation. 3,302,412, 2–7–67, Cl. 61—60.
Hunsucker, William A. Floating support. 3,323,478, 6–6–67, Cl. 114—.5.
Hunt, Arthur J. Golf club carrier in the form of a trolley. 3,360,279, 12–26–67, Cl. 280—35.
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Hunt, Charles d'A., J. V. Kerrigan, A. J. Leffler, and W. W. Martin, Jr. Manufacture of chlorinated boranes. 3,328,135, 6–27–67, Cl. 23—361.
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Hunt, Charles d'A., and J. D. Merrill, to Air Reduction Co., Inc. Prevention of splattering during vaporization processing. 3,356,487, 12–5–67, Cl. 75—10.
Hunt, Charles J., to Beattie-Cleman, Inc. Photographic processing apparatus. 3,315,583, 4–25–67, Cl. 95—94.
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Hunt, Donald R., to George Kent (Stroud) Ltd. Sealed electrode assembly. 3,358,075, 12–12–67, Cl. 174—153.
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Hunt, George H., to Simplex Wire and Cable Co. Stabilized dielectric composition containing 2-bromonaphthalene. 3,346,500, 10–10–67, Cl. 252—63.2.
Hunt, Guilbert M., to United States Steel Corp. Small animal shipping cage. 3,306,258, 2–28–67, Cl. 119—19.
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Husted, Lawrence E., to Ametek, Inc. Method of connecting parts and parts connected by the method. 3,350,124, 10–31–67, Cl. 287—189.36.
Hustinx, Edmond. Process for recovering calcium chloride from the ammonium chloride waste liquor of the ammonia soda process. 3,329,479, 7–4–67, Cl. 23—90.
Hustler Corp.: *See*—
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Husum, Sergiu I., to Cometetul de Stat pentru Cultura si Arta. Automatic device for filming fixed-size images with varied focal length. 3,314,350, 4–18–67, Cl. 95—45.
Husy, Hans, to Sandoz Ltd. (also known as Sandoz A.G.). Process for dyeing blends of cellulose and polyester fibers with reactive and disperse dyes. 3,331,654, 7–18–67, Cl. 8—21.
Hutch, Harry L., to The General Tire & Rubber Co. Breaker arrangement for pneumatic tires. 3,335,777, 8–15–67, Cl. 152—361.
Hutchens, Wilbur D., to Fisher Governor Co. Balanced ball valve having pressure reducing flow ring. 3,339,887, 9–5–67, Cl. 251—214.
Hutcheon, Alexander G., to Dowty Technical Developments Ltd. Hydraulic apparatus. 3,303,648, 2–14–67, Cl. 60—53.
Hutcheon, Charles F., to Forest Plastics, Inc. Tubular hair curler with openings and protrusions thereabout. 3,297,042, 1–10–67, Cl. 132—40.
Hutcheon, Ian C.: *See*—
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Hutchings, Edward G., to Babcock & Wilcox Ltd. Vapor generating apparatus. 3,309,872, 3–21–67, Cl. 60—104.
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Hutchins, Erie M., to Western Electric Co., Inc. Apparatus for forming bulbous articles. 3,358,489, 12–19–67, Cl. 72—62.

Hutchins, James E., and H. C. Twiggs, to Eastman Kodak Co. Thermoplastic adhesive of polypropylene, cellulose ester, polyvinyl acetate, sucrose acetate isobutyrate, and polyalkylene glycol. 3,338,778, 8–29–67, Cl. 161—226.

Hutchins, Loren H., Jr., to Simplex Wire and Cable Co. Composite stranded conductor cable. 3,339,012, 8–29–67, Cl. 174—128.

Hutchins, Marlyn R., to Andrew P. Simon, d.b.a. Pak Distributing Co. Security structure for a coin meter. 3,297,-123, 1–10–67, Cl. 194—97.

Hutchins, Marlyn R., to Coin Security Systems, Inc. Coin box guard device. 3,335,945, 8–15–67, Cl. 232—1.

Hutchins, Thomas B., IV, J. F. Delord, and W. C. Myers, to Tektronix, Inc. Transmission line mounting structure for semiconductor device. 3,308,352, 3–7–67, Cl. 317—234.

Hutchins, William L. Wheel cover. 3,312,505, 4–4–67, Cl. 301—37.

Hutchinson, Arthur J. L., ½ to W. L. Rifenberick. Liquid-vapor contact method and apparatus. 3,295,841, 1–3–67, Cl. 261—114.

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Hutchinson, Donald C., G. M. Wylie and W. J., Sr. Transversely actuated fluid clutch. 3,305,059, 2–21–67, Cl. 192—60.

Hutchinson, Elmer R. Vehicle-moving device having four-poster type screw jack lifting means. 3,321,180, 5–23–67, Cl. 254—7.

Hutchinson, Frederick H. Combined sprinkler and burner head. 3,333,773, 8–1–67, Cl. 239—289.

Hutchinson, Harold D., and W. C. Gregge. Flow responsive switch. 3,345,478, 10–3–67, Cl. 200—81.9.

Hutchinson, James H. Self-contained beverage cooler. 3,298,-194, 1–17–67, Cl. 62—294.

Hutchinson, Keith A., to Tire Improvement Co., Inc. White sidewall applying machine. 3,329,551, 7–4–67, Cl. 156—394.

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Hutchinson, Thomas K. and O. C. K. 3,344,327.

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Hutchinson, Richard E., to Field Enterprises Educational Corp. Combination bookend and bookrack and carton therefor. 3,297,164, 1–10–67, Cl. 211—42.

Hutchinson, Robert M., and D. S. Hoag, to Honeywell Inc. Pulp digester control apparatus. 3,322,616, 5–30–67, Cl. 162—238.

Hutchinson, Thomas K. and O. C. K., to The National Acme Co. Two speed motor control circuit with brake. 3,344,327, 9–26–67, Cl. 318—258.

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Hutchison, William R. Instrument for manipulating contact lenses. 3,304,113, 2–14–67, Cl. 294—64.

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Huthsing, Charles K., Jr. Corrosion arrestor for fire extinguisher. 3,339,638, 9–5–67, Cl. 169—30.

Hutson, Clifford L. Dental aspirator. 3,299,511, 1–24–67, Cl. 32—33.

Hutson, Colin, and K. Knowles, to The British Iron and Steel Research Association. Forging units. 3,336,787. 8–22–67, Cl. 72—420.

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Hutson, Jearld L., to Electronic Control Corp. Semiconductor device and circuit. 3,317,746, 5–2–67, Cl. 307—88.5.

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Hutson, Thomas, Jr., to Phillips Petroleum Co. Removal of aluminum chloride from hydrocarbons. 3,342,885, 9–19–67, Cl. 260—671.

Hutson, Thomas, Jr., and C. O. Carter, to Phillips Petroleum Co. Alkylation process with precooled isoparaffin and HF acid catalyst. 3,346,660, 10–10–67, Cl. 260—683.49.

Hutson, Tom, Jr., and C. O. Carter, to Phillips Petroleum Co. Purification of alkylate with iron-containing material and production of chlorine. 3,330,880, 7–11–67, Cl. 260—674.

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Hutt, Marland P., Jr., to Owens-Illinois, Inc. Process for the recovery of β-sitosterol from vegetable matter. 3,332,969, 7–25–67, Cl. 260—397.25.

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Hutter, Ernest, to United States of America, Atomic Energy Commission. Fuel element assembly. 3,317,398, 5–2–67, Cl. 176—78.

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Hutto, John F., R. E. Dixon, J. W. Davison, C. A. Ayres, G. A. Renberg, and D. K. Queen, to Phillips Petroleum Co. Ethylene, butadiene production. 3,345,285, 10–3–67, Cl. 208—67.

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Hutton, David G., W. S. Murray, A. F. Benning, and N. J. Woodstown, deceased, by J. A. Benning, administrator, to E. I. du Pont de Nemours and Co. Process for separating ammonia from methyl chloride. 3,315,441, 4–25–67, Cl. 55—56.

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Hutton, Harry T., C. R. Goetjen, and J. M. Ogborn, said Hutton and said Goetjen assor. to Air Reduction Co., Inc. Methods of operating burners and improved burners. 3,351,-284, 11–7–67, Cl. 239—11.

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Hutton, Leland H. Oxygen lance construction. 3,304,009, 2–14–67, Cl. 239—132.3.

Hutton, Leland H. Method of delivering oxygen to basic oxygen furnaces, and oxygen lanes therefor. 3,309,195, 3–14–67, Cl. 75—60.

Hutton, Norman H. Grinding apparatus. 3,334,451, 8–8–67, Cl. 51—267.

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Hutton, Walter C. Insulated joint. 3,353,563, 11–21–67, Cl. 138—39.

Hutton, William C., R. G. Donkin, D. Allport, and W. H. Shenkle, to Rockwell Mfg. Co. Coin collection system. 3,321,129, 5–23–67, Cl. 232—16.

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Hutton, Willis L. Anti-glare visors. 3,346,876, 10–17–67, Cl. 2—10.

Hutwelker, Walter, to Eisen und Metall Aktiengesellschaft. Headlight shielding devices. 3,349,674, 10–31–67, Cl. 94—1.

Huval, Lee R., to Phillips Petroleum Co. Multi-stage separation apparatus and process for treating hydrocarbon mixtures. 3,322,652, 5–30–67, Cl. 203—62.

Huwyler, Ernst, and H. Wenzel, to Aktiengesellschaft Brown, Boveri & Cie. Tiltable furnace mounts. 3,310,298, 3–21–67, Cl. 266—36.

Huwyler, Rene, R. Aenishaenslin, and D. Porret, to Ciba, Ltd. Flame-retarding curable mixtures. 3,310,503, 3–21–67, Cl. 260—2.

Huxley, Edward E., and E. M. Meyer, to Phillips Petroleum Co. Removal of carbonyl sulfides from hydrocarbon fluids. 3,358,421, 12–19–67, Cl. 55—19.

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Huxtable, Robert L., and L. V. Wilson, Jr., to Phillips Petroleum Co. Solvent recovery system for rubber polymerization processes. 3,328,263, 6–27–67, Cl. 202—154.

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Hvizdos, Leonard J., and J. A. Pryor, to Air Products and Chemicals, Inc. Low-temperature fractionation process. 3,338,061, 8–29–67, Cl. 62—13.

Hwa, Chih M., to W. R. Grace & Co. Method of inhibiting foaming in aqueous systems. 3,341,467, 9–12–67, Cl. 252—321.

Hwa, Francis C. S., and L. Bajars, to Petro-Tex Chemical Corp. Unsaturated hydrocarbons by oxidative dehydrogenation over silicone-treated catalyst. 3,324,195, 6–6–67, Cl. 260—680.

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Hyde, James F., to Dow Corning Corp. Room temperature curing organopolysiloxane resins. 3,350,349, 10–31–67, Cl. 260—46.5.

Hyde, James S., to Varian Associates. Gyromagnetic spectrometer having separate dispersion and absorption mode detectors. 3,350,633, 10–31–67, Cl. 324—.5.

Hyde, James S., to Varian Associates. Gyromagnetic resonance apparatus utilizing pulsed RF excitation. 3,358,222, 12–12–67, Cl. 324—.5.

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Hylak, Peter J., to Institute of Gas Technology. Resistance heating device and method for melting concrete. 3,300,-253, 1–24–67, Cl. 299—14.

Hylak, Peter J., to Institute of Gas Technology. Method for sealing pipe and method for preparing composition useful therein. 3,307,588, 3–7–67, Cl. 138—97.

Hylan, John E., to Burroughs Corp. Printing head control allowing head to strike in free flight and be positively retracted. 3,330,398, 7–11–67, Cl. 197—16.

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Hynek, Walter J., to Johnson & Johnson. Method for producing nonwoven tuberculated foraminous textile fabric. 3,330,009. 7–11–67, Cl. 19—161.
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Jacke, Stanley D., and H. Biagini, to Branson Instruments, Inc. Sonic wave generator. 3,328,610, 6–27–67, Cl. 310—8.3.
Jackel, Arthur P., to Westinghouse Air Brake Co. Coordination of telephone and remote control transmission over a common communication channel. 3,335,227, 8–8–67, Cl. 179—2.
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Young, Herbert F., and Jackenheimer. 3,337,975.
Jackes-Evans Mfg. Co.: *See*—
Barbier, William J. 3,338,518.

Jacklin, Clarence, to Nalco Chemical Co. Removal and inhibition of scale formation in steam generation. 3,296,027, 1–3–67, Cl. 134—3.
Jacklin, Clarence, and P. L. Gross, to Nalco Chemical Co. Process for forming lead pellets. 3,297,799, 1–10–67, Cl. 264—14.
Jackman, Robert M., to A. O. Smith Corp. Apparatus for coating articles. 3,357,397, 12–12–67, Cl. 118—405.
Jackman, Robert R. Pontoon support device for use in water and on snow. 3,307,209, 3–7–67, Cl. 9—310.
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Sturdy, Clifford, and Jackman. 3,298,627.
Jacknow, Burton B.: *See*—
Roberts, William J., and Jacknow. 3,313,765.
Jacko, Robert B., to Collins Radio Co. Device for improving heat transfer air flow. 3,302,697, 2–7–67, Cl. 165—80.
Jackowski, Charles S., to International Business Machines Corp. Fluid controlled actuating mechanism. 3,350,003, 10–31–67, Cl. 234—107.
Jacks, Eric, C. Rowe, and K. H. Black, to The English Electric Co. Ltd. Electrical connection apparatus. 3,315,059, 4–18–67, Cl. 200—166.
Jacks, Eric, and J. Feenan, to The English Electric Co. Ltd. Cartridge fuse and fuse length with heat transfer means. 3,333,076, 7–25–67, Cl. 200—131.
Jacks, Eric, J. Feenan, and C. F. Leece, to The English Electric Co. Ltd. Method of making fuse elements. 3,358,363, 12–19–67, Cl. 29—623.
Jackson, Albert E., to The British Iron and Steel Research Association. Process of forming metal coatings on metal strip by electrophoretic deposition. 3,331,762, 7–18–67, Cl. 204—181.
Jackson, Auzvill, Jr.: *See*—
Brandon, Richard N. 3,311,278.
Jackson, Auzville, Jr. Process and apparatus for continuous casting. 3,354,937, 11–28–67, Cl. 164—87.
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Jackson, Carey B.: *See*—
Burke, Oliver W., Jr., and Jackson. 3,325,249.
Jackson, Carl D.: *See*—
Bentley, Thomas A., and Jackson. 3,319,488.
Jackson, Carl F.: *See*—
Cobb, Edward S., and Jackson. 3,328,863.
Jackson, Charles R.: *See*—
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Jackson, Clark E., and S. G. Thornbury, to Purex Corp., Ltd. Combination vacuum sweeper and liquid vaporizer. 3,296,777, 1–10–67, Cl. 55—216.
Jackson, Connie L., and S. A. Medearis. Smog reduction filter for internal combustion engines. 3,326,198, 6–20–67, Cl. 123—119.
Jackson, Donald G.: *See*—
Palmberg, Herbert G., and Jackson. 3,318,254.
Jackson, Donald L., to Sylvania Electric Products, Inc. Strip lighting fixture and conector therefor. 3,349,237, 10–24–67, Cl. 240—9.
Jackson, Edward H., Jr. Rope structure. 3,323,301, 6–6–67, Cl. 57—144.
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Bejarano, Thomas M. 3,334,500.
Jackson, Finis W.: *See*—
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Jackson, Forrest A. Lawn mower. 3,304,701, 2–21–67, Cl. 56—26.
Jackson, Frank A., to Pittsburgh Plate Glass Co. Edge lock for metal panels. 3,359,699, 12–26–67, Cl. 52—619.
Jackson, Frank H., to Eastman Kodak Co. Photographic apparatus for recording, processing, and projecting data with fast access time. 3,319,549, 5–16–67, Cl. 95—12.
Jackson, George W., to General Motors Corp. Vehicle leveling system. 3,331,616, 7–18–67, Cl. 280—124.
Jackson, George W., to General Motors Corp. Automatic leveling system. 3,339,910, 9–5–67, Cl. 267—65.
Jackson, George W., and P. J. Long, Jr., to General Motors Corp. Tube coupling having deformable gripping and sealing means. 3,332,708, 7–25–67, Cl. 285—3.
Jackson, Gerald J., Jr., and I. S. Butensky, to American Cyanamid Co. Product and process for preparing dispersible gums. 3,313,800, 4–11–67, Cl. 260—209.
Jackson, Gerald W. Tailgate torsion bar. 3,336,070, 8–15–67, Cl. 296—57.
Jackson, Gerald W., to Chrysler Corp. Latching and hinging assembly for folding seat. 3,338,633, 8–29–67, Cl. 297—379.
Jackson, Harold A. Two-wheeled motor vehicle. 3,313,365, 4–11–67, Cl. 180—6.2.
Jackson, Harold E., to Petrol Injection Ltd. Thermostatic heater. 3,323,581, 6–6–67, Cl. 165—40.
Jackson, Harold E., to Petrol Injection Ltd. Fuel injection systems. 3,330,261, 7–11–67, Cl. 123—32.
Jackson, Harold E., to Petrol Injetcion Ltd. Fluid flow control valves. 3,330,300, 7–11–67, Cl. 137—614.14.
Jackson, Harold E., to Petrol Injection Ltd. Fuel injector devices and systems. 3,330,541, 7–11–67, Cl. 261—23.
Jackson, Harold E., to Petrol Injection Ltd. Metering valves and control devices. 3,342,449, 9–19–67, Cl. 251—58.
Jackson, Harold E., and M. W. Weeks, to Petrol Injection Ltd. Injection moulding machines. 3,351,982, 11–14–67, Cl. 18—30.
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Jackson, Harold S., and J. B. Murtland, Jr., to Allegheny Ludlum Steel Corp. Failure detector for consumable electrode furnaces. 3,354,254, 11–21–67, Cl. 13—9.
Jackson, James G. Light projection optical apparatus. 3,318,184, 5–9–67, Cl. 88—24.
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Melton, James O., Wilkinson, and Jackson. 3,342,513.
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Jackson, James M., Jr., to The Smithers Co. Plastic florist's mesh. 3,336,696, 8–22–67, Cl. 47—41.1.
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Medkeff, Russell J., and Jackson. 3,358,898.
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Jackson, John A., to E. K. Cole Ltd. Movable head and tape control system. 3,345,623, 10–3–67, Cl. 340—174.1.
Jackson, John E., to Union Carbide Corp. Welding process. 3,324,278, 6–6–67, Cl. 219—137.
Jackson, John G., and E. D. Spineto, to Well Completions, Inc. Constant circulating coupling device. 3,298,385, 1–17–67, Cl. 137—112.
Jackson, John G., Jr., deceased (by Bank of the Southwest National Association, independent executor), and A. F. Rhodes, to Rockwell Mfg. Co. Remotely positionable and removable wellhead connection and sealing apparatus. 3,330,341, 7–11–67, Cl. 166—.6.
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Joyce, John F., Jackson, and Brewer. 3,329,746.
Jackson, John P., and G. A. Boyd, to Vickers-Armstrongs (Engineers) Ltd. Control devices for hydraulic pumps and motors. 3,299,829, 1–24–67, Cl. 103—162.
Jackson, Julius, to E. I. du Pont de Nemours and Co. Nacreous pigment compositions. 3,342,617, 9–19–67, Cl. 106—291.
Jackson, Kenneth R.: *See*—
Bishop, Robert E., Jackson, Kis, and Schlesinger. 3,323,408.
Jackson, Liam R., to United States of America, National Aeronautics and Space Administration. Techniques for insulating cryogenic fuel containers. 3,321,159, 5–23–67, Cl. 244—135.
Jackson, Martin A.: *See*—
Van Zelm, Willem D., and Jackson. 3,307,832.
Jackson, Martin A., to Van Zelm Associates Inc. Drive anchors with retaining flukes. 3,302,347, 2–7–67, Cl. 52—154.
Jackson, Martin A., to Van Zelm Associates Inc. Wildcat arresting gear. 3,352,516, 11–14–67, Cl. 244—110.
Jackson, Norman G. Roof construction with file drainage means therefor. 3,313,069, 4–11–67, Cl. 52—24.
Jackson, Paul D.: *See*—
Anderson, Donald V., and Gillman. 3,359,595.
Jackson, Paul L., to Ford Motor Co. Molten metal sampling apparatus. 3,321,978, 5–30–67, Cl. 73—425.4.
Jackson, Paula. Slip covers for receptacles for food. 3,352,449, 11–14–67, Cl. 220—63.
Jackson, Philip S. Memory game having rotatable disc means for varying the symbols displayed. 3,347,549, 10–17–67, Cl. 273—130.
Jackson, Ralph N., W. R. Maclay, D. D. Metzger, and W. R. Stewart, to International Business Machines Corp. Modular circuit package utilizing solder coated areas and solder reflow joints. 3,302,067, 1–31–67, Cl. 317—101.
Jackson, Randall E. Fixture supporting bracket. 3,337,172, 8–22–67, Cl. 248—224.
Jackson, Raymond C., J. T. Harper, A. T. Williams, and J. L. Joplin, to Oil and Gas Supply Co. Concrete machinery base and method of making same. 3,334,850, 8–8–67, Cl. 248—19.
Jackson, Reginald R. G. P., to Gullick Ltd. Self-advancing hydraulically extensible mine roof supports. 3,333,426, 8–1–67, Cl. 61—45.
Jackson, Richard R. Anesthetic articles. 3,348,542, 10–24–67, Cl. 128—184.
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Jackson, Richard W., to Weber Marking Systems, Inc. Rolling contact through stationary member to provide pressure for cutting stencil. 3,307,673, 3–7–67, Cl. 197—6.4.
Jackson, Robert A.: *See*—
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Jackson, Robert A. F., to Heatovent Electric Ltd. Storage block adapted for storage and exchange of heat. 3,301,251, 1–31–67, Cl. 126—400.

Jackson, Robert C., to Monsanto Co. Yarn winding apparatus and process. 3,334,827, 8–8–67, Cl. 242—18.
Jackson, Robert E., and J. D. Culp, to McDonnell Aircraft. Method of making refractory metal structures with an oxidation resistant coating. 3,300,854, 1–31–67, Cl. 29—527.
Jackson, Robert G.: *See*—
Armstrong, Edward, and Jackson. 3,305,995.
Hamilton, William, and Jackson. 3,355,892.
Jackson, Robert G., to Conch International Methane Ltd. Thermal insulation structures. 3,302,358, 2–7–67, Cl. 52—573.
Jackson, Robert G., and A. Harmens, to Conch International Methane Ltd. Process for liquefying natural gas. 3,312,073, 4–4–67, Cl. 62—9.
Jackson, Robert L., and R. M. Campbell, to Chevron Research Co. Earth formation core protractor. 3,331,134, 7–18–67, Cl. 33—75.
Jackson, Robert L., Jr., to American Air Filter Co., Inc. Method of making filamentous mats. 3,342,658, 9–19–67, Cl. 156—174.
Jackson, Robert T.: *See*—
Aid, Joseph J., and Jackson. 3,357,631.
Jackson, Robert T., to Continental Can Co., Inc. Flip-flap carton. 3,351,267, 11–7–67, Cl. 229—44.
Jackson, Samuel G. Conditioning hopper. 3,357,061, 12–12–67, Cl. 19—66.
Jackson, Stuart P., to Solidstate Controls, Inc. Regulated A.C.-D.C. converter system. 3,310,728, 3–21–67, Cl. 321—18.
Jackson, Thomas M., to International Standard Electric Corp. Reflex klystron having a two-potential reflector electrode. 3,325,670, 6–13–67, Cl. 315—5.19.
Jackson, Thomas W., to Georgia Tech Research Institute. Rocket propulsion system. 3,352,111, 11–14–67, Cl. 60—251.
Jackson, Walter F., to Vann Industries, Inc. Heating apparatus. 3,329,416, 7–4–67, Cl. 263—19.
Jackson, Walter F., and A. W. Denning, to Vann Industries, Inc. Tobacco stitching machine. 3,335,878, 8–15–67, Cl. 214—5.5.
Jackson, Wendell T., to Hexcel Corp. Method and apparatus for the manufacture of honeycomb product. 3,356,555, 12–5–67, Cl. 156—205.
Jackson, Wilbur. Flip-flop alarm system with lamp test circuit. 3,345,628, 10–3–67, Cl. 340—310.
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Jackson, Wilbur F., and H. C. Braucksiek, to Robertshaw Controls Co. Thermostatic control with limit switch. 3,325,099, 6–13–67, Cl. 236—21.
Jackson, William G., and W. Schroeder, to Burdick & Jackson Laboratories, Inc. Self-polymerizable benzopyrazine monomers and process for the preparation thereof. 3,326,915, 6–20–67, Cl. 260—250.
Jackson, William R.: *See*—
Rearwin, Earl M., and Jackson. 3,303,535.
Jackson, William W., to Deere & Co. Tool carrier. 3,308,891, 3–14–67, Cl. 172—456.
Jackson, William W., to Deere & Co. Outrigger type chisel plow. 3,354,966, 11–28–67, Cl. 172—311.
Jackson, Winston J., Jr.: *See*—
Caldwell, John R., and Jackson. 3,317,466.
Caldwell, John R., and Jackson. 3,320,210.
Caldwell John R., and Jackson. 3,355,414.
Caldwell, John R., Jackson, and Hill. 3,312,675.
Caldwell, John R., Perry, and Jackson. 3,351,645.
Jackson, Winston J., Jr., and J. R. Caldwell, to Eastman Kodak Co. Polycarbonates from substituted 4,4′-(cyclohexylmethylene) bis(2,6-dichlorophenols). 3,299,000, 1–17–67, Cl. 260—47.
Jackson, Winston J., Jr., and J. R. Caldwell, to Eastman Kodak Co. Chlorinated pivalolactones and polymers thereof. 3,300,451, 1–24–67, Cl. 260—78.3.
Jackson, Winston J., Jr., and J. R. Caldwell, to Eastman Kodak Co. High temperature-resistant polycarbonates and process. 3,326,854, 6–20–67, Cl. 260—47.
Jackson, Winston J., Jr., and J. R. Caldwell, to Eastman Kodak Co. Chlorinated polyesters. 3,356,631, 12–5–67, Cl. 260—31.2.
Jackson, Winston J., Jr., and J. R. Caldwell, to Eastman Kodak Co. Fire-retardant polycarbonates. 3,357,942, 12–12–67, Cl. 260—45.7.
Jackson, Woodrow. Positive centering brake assembly. 3,331,475, 7–18–67, Cl. 188—78.
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Jacob, Carl N., to National Distillers and Chemical Corp. Polyolefins stabilized with phosphites, phenols, and benzotriazoles. 3,322,718, 5–30–67, Cl. 260—45.8.
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Jacob, Ezekiel J., ½ to M. S. Striker. Plastic articles of manufacture and methods of preparing the same. 3,353,981, 11–21–67, Cl. 117—8.
Jacob, Theodore A.: *See*—
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Jacob, Theodore A., R. A. Vitali, J. W. Rothrock, and E. S. Inamine, to Merck & Co., Inc. Isolation of 5′-guanylic acid by formation of 5′-suanylic and dioxanate. 3,300,477, 1–24–67, Cl. 260—211.5.
Jacob, Walter E. W.: *See*—
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Jacob, Werner: *See*—
Hoffmann, Walter, and Jacob. 3,302,987.
Jacobellis, Alphonse A. Method of manufacturing a jacketed spaced-wall accumulator. 3,331,117, 7–18–67, Cl. 29—157.
Jacobi, Ernst, and H. Beck. Pneumatic cleaning installation. 3,317,947, 5–9–67, Cl. 15—312.
Jacobi, Haireddin: *See*—
Kunz, Wilhelm, Jacobi, Koch, and Geus. 3,309,406.
Jacobi, Oskar. Coal face support systems. 3,348,381, 10–24–67, Cl. 61—45.
Jacobi, Paul F., to Tecumseh Products Co. Internal combustion engine speed governor. 3,323,504, 6–6–67, Cl. 123—103.
Jacobin, Leo, and W. C. M. Gielen, to International Standard Electric Corp. Device for setting the angular position of a first object with respect to a second. 3,296,875, 1–10–67, Cl. 74—89.15.
Jacobs, Albert J., to E. J. Carline. Rotary piston pump with dual chambers. 3,314,370, 4–18–67, Cl. 103—132.
Jacobs, Alfred G. Mouth protector. 3,312,218, 4–4–67, Cl. 128—136.
Jacobs, Arthur F., to Prudential Lighting Corp. Lighting fixture and method of installing same. 3,328,576, 6–27–67, Cl. 240—51.11.
Jacobs, Arthur W. Injection molding machine. 3,307,223, 3–7–67, Cl. 18—30.
Jacobs, Charles E., and A. Teien, to United States of America, Army. System for the marking of radar echoes and other signals of observed objects on a radar screen. 3,298,021, 1–10–67, Cl. 343—6.
Jacobs, Charles T. Consumable anode electrode arc welding. 3,309,491, 3–14–67, Cl. 219—74.
Jacobs, Charles T. Behind-the-lens spot-metering in single-lens-reflex cameras. 3,347,143, 10–17–67, Cl. 95—42.
Jacobs, Cornelis A. J., and A. J. G. C. Driessen, to North American Philips Co. Inc. High pressure mercury vapour halogen having an electrode thermally insulated from lead-in conductor. 3,349,276, 10–24–67, Cl. 313—211.
Jacobs, Daniel A., and J. B. Duke, to Minerals & Chemicals Philipp Corp. Grinding method. 3,313,492, 4–11–67, Cl. 241—21.
Jacobs, David M. Refrigerant-containing food or beverage container. 3,326,013, 6–20–67, Cl. 62—294.
Jacobs, David R., to Franklin Electric Co., Inc. Limit switch control for a motor drive. 3,306,997, 2–28–67, Cl. 200—47.
Jacobs, Edward C., to American Can Co. Self-adjusting stripping fingers. 3,295,351, 1–3–67, Cl. 72—344.
Jacobs, Edward N. Auto seat cover with support inserts. 3,301,591, 1–31–67, Cl. 297—219.
Jacobs, Eric W.: *See*—
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Jacobs, F. L., Co.: *See*—
Blake, Jack W. 3,351,404.
Blake, Jack W. 3,355,232.
Jacobs, Fred. Air conditioning apparatus. 3,315,733, 4–25–67, Cl. 165—48.
Jacobs, Gilbert C., to Everbrite Electric Signs, Inc. Illuminatable display sign drums with ventilating means therefore. 3,348,038, 10–17–67, Cl. 240—47.
Jacobs, Gunter: *See*—
Schutte, Theodor, and Jacobs. 3,296,009.
Jacobs, Harold, to United States of America, Army. Variable reflector of electromagnetic radiation. 3,305,863, 2–21–67, Cl. 343—18.
Jacobs, Heinz, to Industrie-Companie Kleinwefers Konstruktions und Handelsgesellschaft m.b.H. Pipes for a recuperator. 3,305,008, 2–21–67, Cl. 165—145.
Jacobs, James W., to General Motors Corp. Process for dehydrating a sealed motor compressor unit. 3,299,524, 1–24–67, Cl. 34—1.
Jacobs, James W., to General Motors Corp. Self-cleaning filter. 3,302,795, 2–7–67, Cl. 210—391.
Jacobs, James W., to General Motors Corp. Refrigerating apparatus including defrost means. 3,309,888, 3–21–67, Cl. 62—156.
Jacobs, James W., to General Motors Corp. Coulometric control. 3,321,635, 5–23–67, Cl. 250—218.
Jacobs, James W., to General Motors Corp. Method of manufacturing polyurethane foam using a gas to create sonic energy. 3,326,787, 6–20–67, Cl. 204—159.11.
Jacobs, James W., to General Motors Corp. Electric hot plate. 3,330,939, 7–11–67, Cl. 219—449.
Jacobs, James W., to General Motors Corp. Clothes washing machine with a roller drive mechanism having a fluid coupling. 3,331,227, 7–18–67, Cl. 68—23.
Jacobs, James W., to General Motors Corp. Fluid metering device. 3,344,960, 10–3–67, Cl. 222—335.
Jacobs, James W., and B. L. Brucken, to General Motors Corp. Apparatus for intermittently rotatingly tumbling clothes. 3,331,141, 7–18–67, Cl. 34—133.
Jacobs, John H. Incinerator for refuse material. 3,310,009, 3–21–67, Cl. 110—8.
Jacobs, John H., to Bell & Howell Co. Oscillographic recording with coherent light, 3,324,478, 6–6–67, Cl. 346—108.
Jacobs, Lewis W., and R. J. Sabatella, to General Electric Co. Circuit breaker load center. 3,309,580, 3–14–67, Cl. 317—119.

Jacobs, Lorenz: *See*—
Bittner, Hans Joachim, and Jacobs. 3,337,325.
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Kennedy, John C., and Haviland. 3,322,890.
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Jacobs, Marcellus L., to Jacobs Wind Electric Co., Inc. Retaining wall for waterways. 3,326,005, 6–20–67, Cl. 61—37.
Jacobs, Norman D., to The Babcock & Wilcox Co. Steam generator lagging assembly including flashing and clip members. 3,338,004, 8–29–67, Cl. 52—62.
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Nies, Nelson P., and Jacobs. 3,300,278.
Jacobs, Philip C., Jr. High-voltage fuses having zig-zag shaped fuse link. 3,319,029, 5–9–67, Cl. 200—120.
Jacobs, Philip C., Jr., to The Chase-Shawmut Co. Electric quartz-sand-filled fuse adapted to interrupt effectively protracted small overload currents. 3,341,674, 9–12–67, Cl. 200—120.
Jacobs, Robert B.: *See*—
Miller, Charles E., and Jacobs. 3,298,221.
Jacobs, Robert B., to Sundstrand Corp. Mass flow measuring system. 3,333,468, 8–1–67, Cl. 73—194.
Jacobs, Robert B., and L. T. Wright, to Standard Oil Co. In situ retorting of oil shale using nuclear energy. 3,342,257, 9–19–67, Cl. 166—11.
Jacobs, Robert C. L., to Wahlfeld Mfg. Co. Method of forming treadway. 3,302,436, 2–7–67, Cl. 72—256.
Jacobs, Robert L.: *See*—
Atkinson, Jerry T., and Jacobs. 3,329,299.
Jacobs, Stanley C., to Aluminum Co. of America. Purification of aluminum. 3,303,019, 2–7–67, Cl. 75—68.
Jacobs, William A. Extruded parison severing method. 3,308,216, 3–7–67, Cl. 264—99.
Jacobs, William H., to Jet Spray Cooler, Inc. Dispensing valve. 3,342,384, 9–19–67, Cl. 222—481.
Jacobs, William L., and G. G. Bernard, to Union Oil Co. of California. Method of treating a subterranean formation with a foam bank. 3,330,346, 7–11–67, Cl. 166—9.
Jacobs Wind Electric Co., Inc.: *See*—
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Jacobsen, Finn, to A B Platmanufaktur. Method of producing a conical pail and machine for carrying out the method. 3,354,680. 11–28–67, Cl. 72—126.
Jacobsen, Helmuth. Pipe aligning tool. 3,330,021, 7–11–67, Cl. 29—200.
Jacobsen, Jerome G., to Westinghouse Electric Corp. Clothes washer. 3,327,506, 6–27–67, Cl. 68—4.
Jacobsen, Leif S. Milling machine improvements. 3,332,321, 7–25–67, Cl. 90—11.
Jacobsen Mfg. Co.: *See*—
Heth, Sherman C., and Lewis. 3,306,370.
Heth, Sherman C., Lewis, and Ronning. 3,331,195.
Kaufman, Vernon R. 3,326,196.
Price, Warren H. 3,334,429.
Jacobson, Paul W., to H. G. Weber and Co., Inc. Three dimensional web shifting apparatus. 3,300,114, 1–24–67, Cl. 226—180.
Jacobsen, Paul W., to H. G. Weber and Co., Inc. Sandwich type adjustable sensing nozzle. 3,340,886, 9–12–67, Cl. 137—83.
Jacobsen, Paul W., to H. G. Weber and Co., Inc. Fluid operated sensing head. 3,341,099, 9–12–67, Cl. 226—19.
Jacobsen, Paul W., to H. G. Weber and Co., Inc. Control system. 3,343,459, 9–26–67, Cl. 91—3.
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Jacobsen, Walter H., to General Plastic Corp. of America. Bird feeder. 3,314,397, 4–18–67, Cl. 119—18.
Jacobsohn, Theodore, B. Julien, and H. and K. Meyer, to Air-Tech Industries, Inc. Inflatable building. 3,307,301, 3–7–67, Cl. 52—2.
Jacobson, Alden H., to The Heald Machine Co. Grinding machine. 3,299,579, 1–24–67, Cl. 51—115.
Jacobson, Arthur F.: *See*—
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Gillette, Frank N., Gray, and Jacobson. 3,308,811.
Jacobson, Ben. Excess paint remover. 3,329,307, 7–4–67, Cl. 220—90.
Jacobson, Chester F., to General Electric Co. Portable electric cigarette lighter. 3,351,736, 11–7–67, Cl. 219—267.
Jacobson, Clifford R.: *See*—
Frith, Robin P., and Jacobson. 3,316,761.
Jacobson, Clyde A. Drinking fountain attachment. 3,335,957, 8–15–67, Cl. 239—25.
Jacobson, Don L. Portable lantern float. 3,307,208, 3–7–67, Cl. 9—8.3.
Jacobson, Eric W., to Colonial Broach & Machine Co. Broach. 3,317,984, 5–9–67, Cl. 29—95.1.
Jacobson, Grant H.: *See*—
Jensen, Arnold E., and Jacobson. 3,315,731.
Jacobson, Gunnar, to Aktiebolaget Bofors. Missiles. 3,296,929, 1–10–67, Cl. 89—1.806.
Jacobson, Harold D.: *See*—
Jacobson, Sidney I. 3,316,951.
Jacobson, Harvey. Lock nut. 3,352,342, 11–14–67, Cl. 151—21.
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Brandon, Clarence W. 3,302,720.
Jacobson, Harvey W. Container convertible into a storage cabinet component. 3,338,651, 8–29–67, Cl. 312—240.
Jacobson, Howard C. Gear transfer mechanism. 3,338,114, 8–29–67, Cl. 74—665.
Jacobson, Howard W., to E. I. du Pont de Nemours and Co. Protected columbium or tantalum article. 3,307,925, 3–7–67, Cl. 29—195.
Jacobson, Howard W., to E. I. du Pont de Nemours and Co. Process of forming protective coatings on columbium and tantalum using a fluidized bed. 3,307,964, 3–7–67, Cl. 117—71.
Jacobson, Irenus C. Underwater exploration device. 3,324,239, 6–6–67, Cl. 178—6.8.
Jacobson, Irvin D. Heater leg construction. 3,320,932, 5–23–67, Cl. 122—13.
Jacobson, John W., and J. W. Poole, to General Electric Co. Altitude or pressure responsive controls. 3,355,992, 12–5–67, Cl. 91—47.
Jacobson, Julius. Clamp and holder combination. 3,332,654, 7–25–67, Cl. 248—221.
Jacobson, Norman, D. W. Brownawell, and E. N. Kresge, to Esso Research and Engineering Co. Thickening agents for liquid hydrocarbons. 3,336,121, 8–15–67, Cl. 44—7.
Jacobson, Norman A., and E. A. Wilder, to S. C. Johnson & Son, Inc. Polyalkoxylated and polyaryloxulated derivatives of di(hydroxyaromatic)alkanoic acids. 3,297,746, 1–10–67, Cl. 260—473.
Jacobson, Robert E., to Radiant Mfg. Corp. Collapsible portable projection screen. 3,314,467, 4–18–67, Cl. 160—24.
Jacobson, Robert L.: *See*—
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Jacobson, Sava W. Monaural to stereo automatic switching system for an FM multiplex stereo radio receiver. 3,297,825, 1–10–67, Cl. 179—15.
Jacobson, Sidney. Accessory for steam pressing device. 3,318,029, 5–9–67, Cl. 38—97.
Jacobson, Sidney I.; ⅓ each to A. F. and H. D. Jacobson. Golf bag carrying case. 3,316,951, 5–2–67, Cl. 150—52.
Jacobson, Walter E., to Revere Corp. of America. Load cell device. 3,315,203, 4–18–67, Cl. 338—5.
Jacobus, Dwight W.: *See*—
Dahlgren, John A., and Jacobus. 3,306,072.
Jacobus, Dwight W., to General Electric Co. Household refrigerator including defrost control means. 3,309,887, 3–21–67, Cl. 62—140.
Jacobus, Dwight W., to General Electric Co. Household refrigerator including automatic ice maker and control means therefor. 3,327,493, 6–27–67, Cl. 62—137.
Jacobus, Dwight W., and W. C. Bodong, to General Electric Co. Hydraulic ice maker. 3,300,998, 1–31–67, Cl. 62—135.
Jacoby, Abraham, to Electro-Optical Systems, Inc. Wideband amplifier utilizing common electron beam for interaction with high-frequency traveling-wave line and with low-frequency electron multiplier. 3,296,483, 1–3–67, Cl. 315—3.5.
Jacoby, Abraham S., to Ampex Corp. Magnetic head assembly with means for heat dissipation. 3,319,238, 5–9–67, Cl. 340—174.1.
Jacoby-Bender, Inc.: *See*—
Gaupp, Kurt. 3,345,705.
Gaupp, Kurt. 3,345,713.
Rodriguez, Emil. 3,348,372.
Jacoby, Charles E.: *See*—
Bradt, Lynn, and Jacoby. 3,349,718.
Jacoby, Charles H., and J. L. Ryon, Jr., to International Salt Co. Method for concomitant mining and beneficiation of soluble mineral. 3,348,883. 10–24–67, Cl. 299—4.
Jacoby, Charles W., F. W. Tubbs, T. C. Wilson, and O. D. Storm, to Allied Chemical Corp. Acid treatment of polyester resins containing alkylene oxide. 3,296,219, 1–3–67, Cl. 260—78.4.
Jacoby, George V., to Radio Corp. of America. Motor control apparatus. 3,325,715, 6–13–67, Cl. 318—293.
Jacoby, George V., to Radio Corp. of America. Tape reel servo. 3,345,008, 10–3–67, Cl. 242—55.12.
Jacoby, Gerald B., to General Motors Corp. Screw type master cylinder assembly. 3,357,182, 12–12–67, Cl. 60—54.6.
Jacoby, Harold E. Method and apparatus for the concentration of liquids. 3,299,942, 1–24–67, Cl. 159—17.
Jacoby, Heinz: *See*—
Blaudszun, Helmut, and Jacoby. 3,302,537.
Jacoby, John H. Heat dissipating device and method. 3,327,779, 6–27–67, Cl. 165—185.
Jacoby, Marvin: *See*—
Phillips, Edwin R., and Jacoby. 3,305,171.
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Jacoby, William F., to American Machine & Foundry Co. Handle bar construction. 3,331,617, 7–18–67, Cl. 280—279.
Jacomini, Omar J., to General Electric Co. High resolution radar systems. 3,320,609, 5–16–67, Cl. 343—5.
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Jacox, Gordon L., to Atlantic Research Corp. Foam-filled transducer. 3,353,150, 11–14–67, Cl. 340—10.
Jacquelin, Guy, to Centre Technique de l'Industrie des Papiers, Cartons et Celluloses. Process and apparatus for the refining of fibers used in the manufacture of paper. 3,311,308, 3–28–67, Cl. 241—28.

Jacques, James K., to Albright & Wilson (Mfg.) Ltd. Lubricants containing synergistic wear inhibitors. 3,360,463, 12–26–67, Cl. 252—32.7.

Jacquignon, Norbert, to C. A. Merminod. Forms of ovules. 3,342,181, 9–19–67, Cl. 128—260.

Jacubenta, John. Magnetic holder for coolant and other fluid supply conduits. 3,312,401, 4–4–67, Cl. 239—283.

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Jacuzzi, Candido. 3,297,025.
Jacuzzi, Candido. 3,302,640.
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Thompson, Otis M. 3,323,468.

Jacuzzi, Candido, to Jacuzzi Bros., Inc. Hydrotherapy tub. 3,297,025, 1–10–67, Cl. 128—66.

Jacuzzi, Candido, to Jacuzzi Bros., Inc. Hydrotherapy unit installation with pump and motor outside tub. 3,302,640, 2–7–67, Cl. 128—66.

Jacuzzi, Candido, to Jacuzzi Bros., Inc. Pressure tank assembly for water pressure system. 3,346,014, 10–10–67, Cl. 138—30.

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Jade Corp., The: *See*—
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Jaeger, Horst, H. Nachbur, and A. Maeder, to Ciba Ltd. Polymerizable monomers containing phosphorus and process for their manufacture. 3,351,617, 11–7–67, Cl. 260—78.5.

Jaeger, Karl, to Linde A.G. Method of removing propane and other hydrocarbons from gases. 3,342,545, 9–19–67, Cl. 23—4.

Jaeger, Karl H., to Goetzewerke Friedrich Goetze A-G. Apparatus for introducing and removing packets of piston rings from machine tools. 3,326,393, 6–20–67, Cl. 214—1.

Jaeger, Rudolph. Adjustable surgical head lamp. 3,344,267, 9–26–67, Cl. 240—59.

Jaeger, Ulric R., to Olin Mathieson Chemical Corp. Method of fabricating a tubular heat exchanger. 3,333,318, 8–1–67, Cl. 29—157.3.

Jaeger, Ulric R., to Olin Mathieson Chemical Corp. Method producing heat exchangers. 3,334,400, 8–8–67, Cl. 29—157.3.

Jaeger, Ulric R., to Olin Mathieson Chemical Corp. Method of making sheet metal panel. 3,340,589, 9–12–67, Cl. 29—157.3.

Jaeger, Ulric R., to Olin Mathieson Chemical Corp. Heating unit. 3,349,224, 10–24–67, Cl. 219—540.

Jaeger, Walter: *See*—
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Jaegers, Leopold. Sawing apparatus. 3,315,554, 4–25–67, Cl. 83—588.

Jaeggli, Rudolf C., to Rieter Machine Works, Ltd. Machine for treating textile thread. 3,317,980, 5–9–67, Cl. 28—71.3.

Jaehnig, James H.: *See*—
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Jaekel, Werner, and K. Buege, to Salzgitter Maschinen Aktiengesellschaft. Centrifugal drums. 3,334,751, 8–8–67, Cl. 210—380.

Jaeken, Jan, and H. V. Van Goethem, to Gevaert Photo-Producten N.V. Photographic colour material. 3,310,402, 3–21–67, Cl. 96—9.

Jaeschke, Ralph L., to Eaton Yale & Towne Inc. Inductor drum and supporting construction for electromagnetic machines. 3,316,429, 4–25–67, Cl. 310—93.

Jaeschke, Ralph L., to Eaton Yale & Towne Inc. Damping pulsation in electromagnetic apparatus. 3,327,145, 6–20–67, Cl. 310—93.

Jaeschke, Ralph L., to Eaton Yale & Towne Inc. Electromagnetic coupling apparatus. 3,329,247, 7–4–67, Cl. 192—84.

Jaeschke, Ralph L., and W. H. Moyer, to Eaton, Yale & Towne, Inc. Electric drives. 3,303,367, 2–7–67, Cl. 310—95.

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Hsu, Henry, and Jaeschke. 3,349,126.

Jafet, Grigory M.: *See*—
Isaev, Ivan S., Vedenov, Karabchevsky, Kulikov, Rats, Shutkevich, and Jafet. 3,318,365.

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Jaffa, Matthew L. and D. 3,349,698.
Jaffa, Matthew L., and D. 3,357,350.

Jaffa, Matthew L. and D. Variable hardness support for sheet to be printed. 3,334,586, 8–8–67, Cl. 101—407.

Jaffa, Matthew L. and D. Clamp assembly for use on screen printing machines. 3,349,698, 10–31–67, Cl. 101—126.

Jaffa, Matthew L. and D. Method and apparatus for screen printing while work is indexed. 3,357,350, 12–12–67, Cl. 101—123.

Jaffe, David L., to Polarad Electronics Corp. Television audience survey system. 3,312,900, 4–4–67, Cl. 325—31.

Jaffe, Edward E.: *See*—
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Jaffe, Edward E., to E. I. du Pont de Nemours and Co. Beta phase of 2,9-dimethoxyquinacridone. 3,317,539, 5–2–67, Cl. 260—279.

Jaffe, Fred, to W. R. Grace & Co. Preparation of cis-decalin. 3,349,139, 10–24–67, Cl. 260—667.

Jaffe, Gunter S., to Shell Oil Co. Stabilized polypropylene coated copper and method. 3,342,637, 9–19–67, Cl. 117—232.

Jaffe, Hans, J. A. Cornely, V. F. Boswell, and D. G. Shumaker, to United States of America, Army. Piezoelectric impact fuze. 3,339,090, 8–29–67, Cl. 300—8.1.

Jaffe, Hans, and D. A. Berlincourt, to Clevite Corp. Transducing method and apparatus. 3,354,425, 11–21–67, Cl. 340—10.

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Jaffe, Henry L., and R. M. Adams, to Cedars of Lebanon-Mt. Sinai Hospital of the Los Angeles Jewish Medical Center. Photographic color scanning apparatus. 3,303,508, 2–7–67, Cl. 346—33.

Jaffe, John C., and P. Kleinman; said Kleinman assor. to said Jaffe. Acoustical shell construction. 3,316,999, 5–2–67, Cl. 181—30.

Jaffe, Mary S., and E. G. Fridrich, to General Electric Co. Flexible electroluminescent device and light transmissive electrically conductive electrode material therefor. 3,315,111, 4–18–67, Cl. 313—108.

Jaffe, Philip M., to Westinghouse Electric Corp. Processing of electroluminescen phosphors. 3,303,141, 2–7–67, Cl. 252—301.6.

Jaffe, Philip M., to Westinghouse Electric Corp. Green-yellow emitting europium alumino silicate phosphor. 3,359,210, 12–19–67, Cl. 252—301.4.

Jaffe, Philip M., to Westinghouse Electric Corp. Blue-white europium activated alumino-silicate phosphor. 3,359,211, 12–19–67, Cl. 252—301.4.

Jaffe, Sol S.: *See*—
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Jaffe, Wolfgang, to The Singer Co. Low-voltage windings on A.C. series motors for incandescent lamp voltage supply. 3,353,044, 11–14–67, Cl. 310—73.

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Bradley, Elihu F., Jaffee, Williams, and Bartlett. 3,297,438.
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Jäfvert, Erik W., to Aktiebolaget Bofors. Round feeding mechanism for automatic guns for discharging rounds from a round magazine. 3,331,281, 7–18–67, Cl. 89—33.

Jäfwert, Erik W., to Aktiebolaget Bofors. Unloading mechanism for an automatic gun. 3,319,525, 5–16–67, Cl. 89—45.

Jäfwert, Erik W., to Aktiebolaget Bofors. Round feeding mechanism for an automatic gun. 3,322,036, 5–30–67, Cl. 89—45.

Jagaciak, George: *See*—
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Broverman, Irwin, and Jagaciak. 3,348,290.

Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,346,370, 10–10–67, Cl. 75—147.

Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,346,371, 10–10–67, Cl. 75—147.

Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,346,372, 10–10–67, Cl. 75—147.

Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,346,373, 10–10–67, Cl. 75—147.

Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,346,374, 10–10–67, Cl. 75—147.

Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,346,375, 10–10–67, Cl. 75—147.

Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,346,376, 10–10–67, Cl. 75—147.

Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,346,377, 10–10–67, Cl. 75—147.

Jagel, Kenneth I., Jr.: *See*—
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Jager, Albert, to Revere Copper and Brass Inc. Production of fine grain aluminum alloy sheet. 3,304,208, 2–14–67, Cl. 148—11.5.

Jager, Cornelis, to North American Philips Co., Inc. Grinding device comprising a disc-shaped grinder and guide faces for the tool to be round. 3,334,446, 8–8–67, Cl. 51—128.

Jager, Harry L. Cattle insecticide applicator. 3,306,265, 2–28–67, Cl. 119—157.

Jager, Heinz: *See*—
Kus, Rudolf, and Jager. 3,298,110.

Jager, Horst, E. Siegel, and R. Schroter, to Farbenfabriken Bayer Aktiengesellschaft. Chloroquinoxaline azo dyestuffs containing a secondary ω-aminoalkyl group. 3,336,284, 8-15-67, Cl. 260—154.

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Jager, Walther: *See*—
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Jagger, Ernest T., G. W. Halliday, and V. W. English, to George Angus & Co., Ltd. Shaft seal testing apparatus. 3,313,141, 4–11–67, Cl. 73—9.

Jagger, Ernest T., and E. I. Hunter, to George Angus & Co. Ltd. Multiple die press apparatus. 3,337,920, 8–29–67, Cl. 18—20.

Jagger, Ernest T., and G. W. Halliday, to George Angus & Co. Ltd. Shaft seals. 3,347,554, 10–17–67, Cl. 277—154.

Jagger, Hubert, to T. B. Hirschberg, Jr. Checkwriter with two position prefix bar. 3,306,187, 2–28–67, Cl. 101—20.

Jagger, Hubert, to T. B. Hirschberg, Jr. Duplicate printing checkwriter. 3,307,476, 3–7–67, Cl. 101—90.

Jaggers, Jerry F., to The Texas Achievement Corp. War game. 3,333,852, 8–1–67, Cl. 273—135.

Jaggle, Erich, to Firma Hermann Traub. Turret lathe. 3,320,838, 5–23–67, Cl. 82—21.

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Jago, Edward J., to Foseco Trading A.G. Dry exothermic composition containing fibrous material having oxidizer salt absorbed therein. 3,347,721, 10–17–67, Cl. 149—2.

Jago, Edward J., and R. W. Ruddle, to Foseco International Ltd. Exothermic hot top. 3,326,273, 6–20–67, Cl. 164—349.

Jago, William H., to Atlantic Research Corp. Stabilized propellent compositions containing hydrazine nitroform and nitrocellulose. 3,307,985, 3–7–67, Cl. 149—18.

Jahimiak, Ralph W., to Allis-Chalmers Mfg. Co. Tractor plow. 3,316,981, 5–2–67, Cl. 172—255.

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Jahn, Dale M., to Sperry Rand Corp. Complementary symmetry differential pulse integrator. 3,305,733, 2–21–67, Cl. 307—88.5.

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Jahn, Marion C., to Colborne Mfg. Co. Continuous container closing device. 3,355,858, 12–5–67, Cl. 53—303.

Jahn, Martin D., to Chicago Metallic Sash Co. Runner joint for suspended ceiling system. 3,342,515, 9–19–67, Cl. 287—189.36.

Jahn, Martin D. and R. H., to Chicago Metallic Sash Co. Runner system for fire-resistant suspended ceilings. 3,333,378, 8–1–67, Cl. 52—232.

Jahn, Reinhardt H.: *See*—
Jahn, Martin D. and R. H. 3,333,378.

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Jahn, Ulrich, to Temmler-Werke Vereinigte Chemische Fabriken. Method of producing aryl alkyl aminoketones. 3,340,-305, 9–5–67, Cl. 260—592.

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Schmidt, Herbert, Gladisch, and Jahnentz. 3,328,276.

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Jahnke, Heinz K., to The Upjohn Co. Process for separating nitrogen-basic materials from aqueous solution. 3,318,867, 5–9–67, Cl. 260—210.

Jahns, Hans, to H. Krantz. Multi-stage circulators. 3,297,-307, 1–10–67, Cl. 259—97.

Jahns, Hans O.: *See*—
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Jahoda, Edward, and P. Muller, to Andrews Paper & Chemical Co., Inc. Precoated sheet for use with a light sensitive reproduction coating. 3,330,662, 7–11–67, Cl. 96—75.

Jahp, Clifford J., to The Meyercord Co. Dry strip decalcomania or transfer and method of use. 3,297,508, 1–10–67, Cl. 156—249.

Jain, Padam C., and N. Anand, to Council of Scientific and Industrial Research. 1-aminopyridyl-4-(phenyl or pyridyl)-piperazines and intermediates. 3,306,903, 2–28–67, Cl. 260—268.

Jakab, Leslie, to Johnson & Johnson. Petrolatum product containing a uniformly dispersed gas. 3,342,722, 9–19–67, Cl. 208—20.

Jakacki, Edwin J., to United States Gypsum Co. Plaster composition. 3,305,375, 2–21–67, Cl. 106—109.

Jakacki, Edwin J., and A. L. Hampton, to United States Gypsum Co. Plaster composition containing polyvinyl acetate. 3,305,518, 2–21–67, Cl. 260—41.

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Harple, Kenneth G., and Jakacki. 3,351,911.

Jakelsky, William: *See*—
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Jakes, William C., Jr., to Bell Telephone Laboratories, Inc. Microwave switch. 3,346,824, 10–10–67, Cl. 333—98.

Jakeway, Gerald V., to Keeler Brass Co. Method of assembling a body member and a stud to produce a unitary structure. 3,345,736, 10–10–67, Cl. 29—509.

Jakob, Franz, and K. Wagner, to Agfa Aktiengesellschaft. Automatic zeroing assembly for cameras. 3,303,765, 2–14–67, Cl. 95—10.

Jakob, Franz, and J. P. Simson also known as H.-P. Simson, to Agfa Aktiengesellschaft. Assemblies including an alternating current device attachment to be battery-driven. 3,356,856, 12–5–67, Cl. 307—64.

Jakob, Fritz, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Process for liquefaction of C and heavier hydrocarbons from natural gas with removal of CO_2 and H_2O impurities. 3,318,103, 5–9–67, Cl. 62—13.

Jakobi, Wilhelm: *See*—
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Jakobi, Wilhelm, to Heinrich Koppers, G.m.b.H. Device for igniting and checking the flame of a burner. 3,324,926, 6–13–67, Cl. 158—123.

Jakobs, Hans: *See*—
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Jakobson, Hans, to W. Zindler, d.b.a. Lumoprint Zindler K.G. Surface exposure device for copying apparatus. 3,330,181, 7–11–67, Cl. 88—24.

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Jaksha, John B., to Robertshaw Controls Co. Vacuum control with lid valve and spin brake. 3,338,362, 8–29–67, Cl. 192—136.

Jalava, Oscar W. Drill press work holding apparatus. 3,359,-836, 12–26–67, Cl. 77—63.

Jalbert, Joseph O. Toaster apparatus. 3,308,748, 3–14–67, Cl. 99—402.

Jalbing, John I., and E. H. Myers, to General Motors Corp. Spark plug center electrode with a split truncated head. 3,346,760, 10–10–67, Cl. 313—136.

Jally Corp.: *See*—
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Jamar, Walker, Jr. Display and divider panel stand. 3,326,-505, 6–20–67, Cl. 248—125.

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James, Albert L., 40% to W. C. Heller, Jr. Process and system for producing heat sealed laminates. 3,360,412, 12–26–67, Cl. 156—229.

James, Arthur M. Grating for waste trenches. 3,299,785, 1–24–67, Cl. 94—33.

James, Brian D., to Signetics Corp. Modular package for semiconductor devices. 3,341,649, 9–12–67, Cl. 174—52.

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James, David R., and D. J. Richards, to Mecanaids, Ltd. Apparatus for assisting disabled persons. 3,310,816, 3–28–67, Cl. 5—83.

James, David W., to Ford Motor Co. Impeller making. 3,354,-529, 11–28–67, Cl. 29—156.8.

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James, Howell N., and E. C. Collins, to International Harvester Co. Sieve construction and the like. 3,334,744, 8–8–67, Cl. 209—394.

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Dickson, Woodrow J., and Jenkins. 3,347,789.
Jenkins, Henry H. Electrical control system for stud welding. 3,346,715, 10–10–67, Cl. 219—98.
Jenkins, Herbert A. H., and A. J. Oswald, to Hooker Chemical Corp. Production of phosphate coatings on metals. 3,338,-755, 8–29–67, Cl. 148—6.15.
Jenkins, Hugh P., Jr.: *See*—
Krzcyski, LeRoy J., and Jenkins. 3,302,403.
Jenkins, Jack J.: *See*—
Nordberg, Robert G., Reithoffer, and Jenkins. 3,344,655.
Jenkins, James D., and C. B. Reynolds, to Kaiser Aluminum & Chemical Corp. Method of encasing brick. 3,314,142, 4–18–67, Cl. 29—509.
Jenkins, John C., to Gregory Industries, Inc. Stud welding. 3,355,132, 11–28–67, Cl. 248—59.
Jenkins, Jonathan M., to Energy Conversion Ltd. Battery of fuel cells. 3,331,706, 7–18–67, Cl. 136—86.
Jenkins, Keith H., to United States of America, National Aeronautics and Space Administration. Diode and protection fuse unit. 3,340,430, 9–5–67, Cl. 317—9.
Jenkins, Kenneth R.: *See*—
Lehnert, Robert E., Bennett, Moorhead, and Jenkins. 3,352,257.
Jenkins, Mansel J.: *See*—
Bond, Raymond L., Pinchin, and Jenkins. 3,300,550.
Jenkins Metal Shops, Inc.: *See*—
Creighton, Mitchell H. 3,324,514.
Jenkins, Peter J., to Dunlop Rubber Co. Ltd. Conveyors. 3,300,029, 1–24–67, Cl. 198—168.
Jenkins, Peter J., to Dunlop Rubber Co. Ltd. Belting. 3,323,-637, 6–6–67, Cl. 198—193.
Jenkins, Philip W., and L. G. S. Brooker, to Eastman Kodak Co. Photographic sensitizing dyes. 3,326,688, 6–20–67, Cl. 96—102.
Jenkins, R. B., & Co., Inc.: *See*—
Bass, Oscar, Jr., and Horvat. 3,315,320.
Jenkins, Robert B., Sr. 3,348,268.
Jenkins, Robert B., Sr. 3,348,269.
Jenkins, Richard, to Radio Corp. of America. FM stereo high level demodulating system. 3,301,959, 1–31–67, Cl. 179—15.
Jenkins, Richard L.: *See*—
Buell, Henry R., and Jenkins. 3,299,276.
Guyton, James H., and Jenkins. 3,355,624.
Jenkins, Robert B., Sr., to R. B. Jenkins and Co., Inc. Screen for carding machines. 3,348,268, 10–24–67, Cl. 19—95.
Jenkins, Robert B., Sr., to R. B. Jenkins and Co., Inc. Perforated screen for carding machines. 3,348,269, 10–24–67, Cl. 19—95.
Jenkins, Robert C. Scissors jack. 3,326,527, 6–20–67, Cl. 254—122.
Jenkins, Robert & Co., Ltd.: *See*—
Fox, Wilfred. 3,310,328.
Jenkins, Robert H., to Radio Corp. of America. Redundant recording system with parity checking. 3,303,482, 2–7–67, Cl. 340—174.1.
Jenkins, Robert H., to Radio Corp. of America. Skew correction system. 3,325,794, 6–13–67, Cl. 340—174.1.
Jenkins, Roy M., to Lindy Pen Co. Inc. Pen cartridge. 3,335,-706, 8–15–67, Cl. 120—42.4.
Jenkins, Sydney F.: *See*—
Green, Ronald H., and Jenkins. 3,334,507.
Jenkins, Thomas E., to General Electric Co. Pump impeller and reaction-type spray device having an inlet disposed in the same plane. 3,312,232, 4–4–67, Cl. 134—176.
Jenkins, W. J., & Co. Ltd.: *See*—
Fox, George F. 3,338,562.
Jenkins, Walter W., to The National Acme Co. Milling mechanism. 3,301,135, 1–31–67, Cl. 90—15.
Jenkins, William J. Fan belt adjuster. 3,306,121, 2–28–67, Cl. 74—242.15.
Jenkinson, Frederic W., to Systron-Donner Corp. Analog to digital conversion apparatus. 3,305,856, 2–21–67, Cl. 340—347.
Jenkinson, Frederic W., to Systron-Donner Corp. Counter and method. 3,324,311, 6–6–67, Cl. 307—88.5.
Jenkinson, John V.: *See*—
Uhlir, Arthur, Jr., and Jenkinson. 3,297,922.
Jenkner, Herbert, to Chemische Fabrik Kalk G.m.b.H. Flameproofed synthetic resins. 3,347,822, 10–17–67, Cl. 260—45.75.
Jenkner, Kurt W., to General Precision Systems Inc. Photosensitive character reading apparatus. 3,346,739, 10–10–67, Cl. 250—219.
Jenks, Arthur E., and D. W. Ginn, to Television Audit Corp. Radio and television audience survey system. 3,299,355, 1–17–67, Cl. 325—31.
Jenks, Carl W. Plating and general utility tank of the knockdown type. 3,337,086, 8–22–67, Cl. 220—63.
Jenks, Carl W. Portable barrel plating unit. 3,345,282, 10–3–67, Cl. 204—213.
Jenks, Frederick P., and E. J. Williams, to Primus Mfg., Inc. Distance measuring by friction wheel instruments. 3,307,-265, 3–7–67, Cl. 33—141.
Jenks, John D., and O. K. Nilssen, to Ford Motor Co. Electromechanical oscillator with variable duty cycle. 3,304,482, 2–14–67, Cl. 318—330.
Jenks, Stephen M., E. L. Tindall, and H. S. Orr, to United States Steel Corp. Method of reducing width of metal slabs. 3,358,358, 12–19–67, Cl. 29—528.
Jenks, Wilbur R. Sled ski. 3,297,334, 1–10–67, Cl. 280—12.

Jenks, William R., to E. I. du Pont de Nemours and Co. Process for preparing hydrogen cyanide. 3,360,335, 12–26–67, Cl. 23—151.
Jennie, Fred L.: *See*—
Russell, Fred J., Armstrong, and Jennie. 3,321,942.
Russell, Fred J., Armstrong, and Jennie. 3,336,769.
Jennings, Arvil A.: *See*—
Crist, Francis H., Jennings, and Hill. 3,323,220.
Jennings, Charles E., Jr., to The Renner Co. Road roller. 3,303,762, 2–14–67, Cl. 94—50.
Jennings, Charles E., Jr., to The Renner Co. Truck mounted material conveyer. 3,331,519, 7–18–67, Cl. 214—509.
Jennings, Clyde E., and C. A. Rowland. Water re-use system. 3,318,449, 5–9–67, Cl. 210—104.
Jennings, David C., to United Aircraft Corp. Ventilated space suit. 3,345,641, 10–10–67, Cl. 2—2.1.
Jennings, Earl R., to Pan American Petroleum Corp., Casing patch. 3,297,092, 1–10–67, Cl. 166—207.
Jennings, Ermont V., to Burroughs Corp. Powder evaporation apparatus. 3,344,768, 10–3–67, Cl. 118—48.
Jennings, G. B., to The Pandjiris Weldment Co. System for measuring speeds of workpieces rotated by motor. 3,348,-144, 10–17–67, Cl. 324—70.
Jennings, Garland B., and G. J. Kliner, to The B. F. Goodrich Co. High impact, heat and chemical resistant blends of chlorinated polyvinyl chloride and chlorinated polyethylene. 3,299,182, 1–17–67, Cl. 260—897.
Jennings, Harry C., deceased, by H. C. Jennings, Jr., executor, to Everest & Jennings, Inc. Adjustable legrest for wheel chairs. 3,301,595, 1–31–67, Cl. 297—437.
Jennings, Harry C., Jr.: *See*—
Jennings, Harry C. 3,301,595.
Jennings, Irving C. Evacuation system. 3,315,879, 4–25–67, Cl. 230—45.
Jennings, Irving C. Control for sewage ejectors and sump pumps. 3,302,575, 2–7–67, Cl. 103—26.
Jennings, Irving C. Vacuum pump. 3,351,272, 11–7–67, Cl. 230—79.
Jennings, Jesse A. Treatment table with locking means. 3,351,051, 11–7–67, Cl. 128—24.
Jennings, Leroy C.: *See*—
Perry, Robert H., Jr., and Jennings. 3,359,311.
Jennings, Lewis F., and W. Wanielista, to Robertson Photo-Mechanix, Inc. Photographic apparatus for holding sensitized sheets. 3,319,555, 5–16–67, Cl. 95—66.
Jennings, Lloyd E. Nutcracker. 3,310,083, 3–21–67. Cl. 146—16.
Jennings Machine Corp.: *See*—
Reichert, Herman E. 3,306,540.
Jennings, Marvin D., B. A. Shader, and R. J. Frase, to International Harvester Co. Planter. 3,320,909, 5–23–67, Cl. 111—51.
Jennings, Paul C.: *See*—
Curtis, Charles G., and Jennings. 3,314,608.
Jennings Radio Mfg. Corp.: *See*—
Griggs, Glenn E., Hawkins, and Roessler. 3,296,568.
Guraydin, Orhan A. 3,342,966.
Hawkins, Jack S. 3,336,664.
Lindsay, Wesley N. 3,346,933.
Roessler, Clark T., and Tetz. 3,344,253.
Van Loo, Coenraad. 3,328,547.
Jennings, Robert E., to C. M. C. Corp. Ceramic coatings. 3,348,-355, 10–24–67, Cl. 53—28.
Jennings, Samuel J., to Community Gin Co. Rotary cotton gin. 3,357,060, 12–12–67, Cl. 19—50.
Jennings, William A., to Economy Froms Corp. Multiple friction collar assembly. 3,301,517, 1–31–67, Cl. 248—221.
Jennings, William A., to Economy Forms Corp. Friction collar assembly. 3,323,815, 6–6–67, Cl. 287—52.03.
Jennings, William O., G. Robinson, W. F. Atkins, deceased (by D. I. Atkins, administratrix), and N. Geoffrey, to National Research Development Corp. Indexing devices. 3,345,886, 10–10–67, Cl. 74—826.
Jennrich, Carleton E.: *See*—
Haaker, Lester W., Jelatis, and Jennrich. 3,297,172.
Jenny, Alfred L., to General Electric Co. Non-aqueous capacitor electrolyte having a salt dissolved in a co-solvent. 3,351,823, 11–7–67, Cl. 317—230.
Jenny, Dietrich A., to Hughes Aircraft Co. Electronic circuit assembly with recessed substrate mounting means. 3,316,-458, 4–25–67, Cl. 317—101.
Jenny, Ernst: *See*—
Staeuble, Max, Sharaf, Hoelzle, Jenny, Stahel, Ulrich, Oppliger, and Aeberli. 3,341,539.
Jenny, Robert W., to The Boeing Co. Automatic anti-friction dual ratio motion converter. 3,295,385, 1–3–67, Cl. 74—424.8.
Jenny, Rudolf, to Schweiter Engineering Works Ltd. Method and apparatus for the processing of undesired yarn conditions appearing at an automatic winding machine. 3,304,-015, 2–14–67, Cl. 242—35.6.
Jenny, Rudolf, to Maschinenfabrik Schweiter AG. Yarn guide mechanism for a winding location. 3,346,205, 10–10–67, Cl. 242—43.2.
Jenny, Rudolf, to Maschinenfabrik Schweiter AG. Precision cross-winding apparatus. 3,346,207, 10–10–67, Cl. 242—45.
Jenny, Rudolf, to Maschinenfabrik Schweiter AG. Yarn remainder feeler. 3,358,941, 12–19–67, Cl. 242—36.
Jenny, Walter, to Ciba Ltd. Process for the production of phthaloylpyrrocolines. 3,309,400, 3–14–67, Cl. 260—295.
Jenny, Walter, I. Hari, M. Staeuble, and K. Weber, to Ciba Ltd. Vat dyestuffs. 3,300,491, 1–24–67, Cl. 260—249.
Jens, Wilmer C., to M. H. Detrick Co. Apparatus for removing solids from hot gases. 3,353,800, 11–21–67, Cl. 261—3.
Jensen, Alan K., to Monroe International Corp. Article sensing apparatus. 3,322,261, 5–30–67, Cl. 198—232.
Jensen, Alan K., to Litton Business Systems, Inc. Apparatus for checking reading errors in a magnetic card system record. 3,349,369, 10–24–67, Cl. 340—146.1.
Jensen, Arne, to Danfoss A/S. Unitary multiple solid state switch assembly. 3,358,192, 12–12–67, Cl. 317—101.
Jensen, Arnold E., and G. H. Jacobson, to Modine Mfg. Co. Vehicle air conditioner. 3,315,731, 4–25–67, Cl. 165—42.
Jensen, Axel G., to H. Robbins. Load supporting system. 3,308,972, 3–14–67, Cl. 214—10.
Jensen, Carl F.: *See*—
Cordis, Nat. 3,310,353.
Cordis, Nat. 3,329,127.
Jensen, Carl J., to Shield Laboratories, Inc. Method for reducing fermentation time of bread dough. 3,309,203, 3–14–67, Cl. 99—91.
Jensen, Elmer R.: *See*—
McCormick, Jerry R. D., and Jensen. 3,360,559.
Jensen, Erik J.: *See*—
Berkowitz, Norbert, Brown, De Zeeuw, and Jensen. 3,339,984.
Jensen, Flemming E., to F. L. Smidth & Co. Rotary kiln installations. 3,358,977, 12–19–67, Cl. 263—32.
Jensen, Fred H. Linkage type switch control for temperature responsive means. 3,309,486, 3–14–67, Cl. 200—122.
Jensen, Frederick R.: *See*—
Miller, Gordon R., Ham, Cobb, and Jensen. 3,336,294.
Jensen, Garold K.: *See*—
Cork, Spencer M., Jensen, and McGeogh. 3,329,903.
McGeogh, James E., and Jensen. 3,337,817.
Jensen, Gunnar B., and A. D. Winther. Fish egg sorting. 3,297,157, 1–10–67, Cl. 209—73.
Jensen, Hans A.: *See*—
Eberman, Augustus H., and Jensen. 3,315,781.
Eberman, Augustus H., and Jensen. 3,348,442.
Jensen, Hans A., and A. H. Eberman, to Mayer, Oscar & Co., Inc. Vacuum gripping apparatus. 3,300,063, 1–24–67, Cl. 214—1.
Jensen, Hans A., and A. H. Eberman, to Oscar Mayer & Co., Inc. Alternative print drums for applying indicia to moving sheet. 3,306,197, 2–28–67, Cl. 101—212.
Jensen, Hans A., and A. H. Eberman, to Oscar Mayer & Co., Inc. Method and apparatus for continuously forming packages. 3,349,540, 10–31–67, Cl. 53—22.
Jensen, Hans, and A. H. Eberman, to Oscar Mayer & Co., Inc. Packaging of free flowing materials. 3,353,325, 11–21–67, Cl. 53—22.
Jensen, Hans A., and A. H. Eberman, to Oscar Mayer & Co., Inc. Label applying mechanism. 3,358,991, 12–19–67, Cl. 271—61.
Jensen, Harald: *See*—
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Lederer, Michael, and Jensen. 3,336,297.
Schlack, Paul, Jensen, and Lohaus. 3,342,783.
Jensen, Harold: *See*—
Weathers, Thomas C., and Jensen. 3,298,583.
Jensen, Harold A.: *See*—
Barrett, John R., and Jensen. 3,353,051.
Ing, Samuel W., Jr., and Jensen. 3,358,146.
Jensen, Hartley J., to United States of America, Atomic Energy Commission. Voltage transient sampling circuit. 3,334,306, 8–1–67, Cl. 328—151.
Jensen, Hartley J., and E. E. Smith, to United States of America, Atomic Energy Commission. Time interval measurement utilizing a tunnel diode switched by reflected pulses from transmission lines. 3,348,141, 10–17–67, Cl. 324—68.
Jensen, Herman G., and H. H. Bostrom, to The Seeburg Corp. Income totalizing device. 3,323,719, 6–6–67, Cl. 235—100.
Jensen, Herman G., and J. E. Wright, Jr., to The Seeburg Corp. Income totalizing device. 3,339,839, 9–5–67, Cl. 235—100.
Jensen, Hermann B. F. Automation of working machines. 3,317,894, 5–2–67, Cl. 340—147.
Jensen, Hermann B. F. Sequentially operable automatic control systems. 3,320,589, 5–16–67, Cl. 340—147.
Jensen, Hermann B. F. Automation control system for working machines or the like. 3,321,744, 5–23–67, Cl. 340—163.
Jensen, Hermann B. F. Auxiliary operation control for automatic systems. 3,348,440, 10–24–67, Cl. 83—58.
Jensen, Holger R.: *See*—
Collins, Arthur F., Greene, Jensen, Kelly, Marsh, and Powell. 3,344,410.
Jensen, Howard M., to Ritmar Corp. Drill guiding tools. 3,320,832, 5–23–67, Cl. 77—55.
Jensen, James L.: *See*—
Cronin, Donald L., and Jensen. 3,333,176.
Jensen, James L., to Honeywell Inc. Semiconductor apparatus. 3,303,414, 2–7–67, Cl. 323—9.
Jensen, James L., to Honeywell Inc. Control apparatus. 3,348,-130, 10–17–67, Cl. 323—22.

Jensen, James L., to Honeywell, Inc. Battery charging circuit responsive to generator output voltage and current. 3,350,-619, 10–31–67, Cl. 320—32.
Jensen, John E.: *See*—
Jepson, Ivar, Schuessler, Jackson, and Jensen. 3,349,263.
Jensen, John L. Door latch assembly. 3,314,704, 4–18–67, Cl. 292—170.
Jensen, John L., to Railroad Permanent Way Products Corp. Automatic yard switch. 3,317,725, 5–2–67, Cl. 246—445.
Jensen, Knud A.: *See*—
Gould, Jerome, Throssel, Jensen, and Kuhlman. 3,338,-590.
Jensen, Ladell R., and W. T. Abbott. Gang drill, tracing and riving machine. 3,321,032, 5–23–67, Cl. 173—52.
Jensen, Lester K.: *See*—
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Jensen, Lloyd L., to Schlumberger Technology Corp. Drill stem testing apparatus. 3,351,135, 11–7–67, Cl. 166—149.
Jensen, Lloyd, to Johnston Testers, Ltd. Drill stem testing apparatus. 3,353,609, 11–21–67, Cl. 166—149.
Jensen, Louis K., and G. H. Towner, to TRW Inc. Spherically symmetric gyro. 3,295,379, 1–3–67, Cl. 74—5.6.
Jensen, Melvin J., ½ to Wallace H. Jerome. Poultry conveying and tripping device. 3,298,500, 1–17–67, Cl. 198—177.
Jensen, Nathan K. Low pressure alarm valve. 3,351,088, 11–7–67, Cl. 137—517.
Jensen, Ole S., to Mundet Cork Corp. Gasket package. 3,353,-666, 11–21–67, Cl. 206—65.
Jensen, Otto, to I-T-E Circuit Breaker Co. Self-adjusting load responsive brake. 3,298,472, 1–17–67, Cl. 188—171.
Jensen, Otto, to I-T-E Circuit Breaker Co. Automatic air gap adjustment for spring brake. 3,298,473, 1–17–67, Cl. 188—171.
Jensen, Otto, to I-T-E Circuit Breaker Co. Rotor resistance control circuit for reversible A.-C. motors. 3,302,086, 1–31–67, Cl. 318—210.
Jensen, Otto, to I-T-E Circuit Breaker Co. High speed circuit breaker with flip-flop mechanism. 3,302,144, 1–31–67, Cl. 335—183.
Jensen, Otto, to I-T-E Circuit Breaker Co. Anti-slip relay for hoist control. 3,334,287, 8–1–67, Cl. 318—369.
Jensen, Otto, to Conchemco Inc. Method and composition for tinting oil and water base paints. 3,353,973, 11–21–67, Cl. 106—308.
Jensen, Otto, and I. K. Dortort, to I-T-E Circuit Breaker Co. Zero reactance transformer. 3,314,031, 4–11–67, Cl. 336—195.
Jensen, Paul A.: *See*—
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Jensen, Paul A., to Westinghouse Electric Corp. Decision circuit for use in signal processing systems. 3,348,034, 10–17–67, Cl. 235—193.
Jensen, Peter W.: *See*—
Coleman, Charles H., Jr., Felix, and Jensen. 3,316,360.
Coleman, Charles H., Jr., Felix, and Jensen. 3,340,367.
Jensen, Philip B., to Scovill Mfg. Co. Closed type burr. 3,358,547, 12–19–67, Cl. 85—37.
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Lekberg, Robert D., Jensen, and Bulter. 3,313,821.
Jensen, Rex M., ½ to A. N. Cheleden, Sr. Duplex sum visor support means. 3,339,970, 9–5–67, Cl. 296—97.
Jensen, Richard C., and J. S. Sohre, to Carrier Corp. Breach-lock coupling. 3,334,495, 8–8–67, Cl. 64—6.
Jensen, Richard V.: *See*—
Grant, Robert F., and Jensen. 3,300,558.
Jensen, Robert A.: *See*—
Baldwin, Leoniel C., and Jensen. 3,307,222
Jensen, Robert A., and W. J. Levine, to International Business Machines Corp. Traffic light control buffer. 3,302,-170, 1–31–67, Cl. 340—41.
Jensen, Rolf B. Suspension clip. 3,302,261, 2–7–67, Cl. 24—246.
Jensen, Roy A., to International Business Machines Corp. Print characteristics displayer. 3,345,908, 10–10–67. Cl. 88—14.
Jensen, Svend A.: *See*—
Nielsen, Kurt G., and Jensen. 3,343,463.
Jensen, Thomas H., to Pittsburgh Plate Glass Co. Method of and apparatus for controlling heating element temperature. 3,308,270, 3–7–67, Cl. 219—497.
Jensen, Villy J., to Novo Terapeutisk Laboratorium A/S. Process for the recovery of plasminogen from animal blood serum or animal blood plasma, preferably from pig's blood. 3,318,771, 5–9–67, Cl. 167—65.
Jensen, Villy J., to Novo Terapeutisk Laboratorium A/S. Process for the recovery of plasminogen from blood serum or blood plasma. 3,332,852, 7–25–67, Cl. 195—66.
Jensen, Villy J., to Novo Terapeutisk Laboratorium A/S. Process in the recovery of plasminogen from a blood component of mammalian animals. 3,335,068, 8–8–67, Cl. 195—66.
Jensen, Villy J., to Novo Terapeutisk Laboratorium A/S. Purification of plasminogen. 3,340,156, 9–5–67, Cl. 195—66.
Jensen, Warren R.: *See*—
Batchelor, Clyde S., and Jensen. 3,332,752.
Batchelor, Clyde S., and Jensen. 3,332,753.
Batchelor, Clyde S., and Jensen. 3,342,626.
Jensen, William P.: *See*—
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Jensen William P., to Atlantic Research Corp. Apparatus for preserving animal and plant matter. 3,313,631, 4–11–67, Cl. 99—271.
Jensen, William T.: *See*—
Gehrt, Edwin E., and Jensen. 3,299,493.
Jenson, George, to Associated Electrical Industries, Ltd. Turbine rotors. 3,313,519, 4–11–67, Cl. 253—77.
Jenson, Kenneth S., and F. W. Suhr, to Preway, Inc. Air heater. 3,315,657, 4–25–67, Cl. 126—116.
Jenssen, Sigvald T., Sr. Bed tray. 3,340,826, 9–12–67, Cl. 108—49.
Jenssen, Sverre K., to AB Rosenblads Patenter. Arrangement for fastening spiral wire spacers in tubular heat exchangers. 3,326,282, 6–20–67, Cl. 165—172.
Jentet, Maxime L., to Societe Anonyme des Usines Chausson. Fin plate for tube and plate fin cores and method for manufacturing thereof. 3,305,009, 2–21–67, Cl. 165—151.
Jentet, Maxime L., to Societe Anonyme des Usines Chausson. Fin plate for radiator cores. 3,319,711, 5–16–67, Cl. 165—151.
Jentilet, Adam: *See*—
Kaisler, Francis J., and Jentilet. 3,330,958.
Jentzsch, Wolfgang: *See*—
Amann, August, Jentzsch, and Neubauer. 3,336,367.
Gehm, Robert, Steinbrunn, Jentzsch, Wilhelm, Bayerlein, and Von Schickh. 3,342,784.
Jentzsch, Wolfgang, and M. Seefelder, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Amino methylene ureas. 3,340,254. 9–5–67, Cl. 260—239.3.
Jepperson, Richard M.: *See*—
Thornberg, Dean S., and Jepperson. 3,332,018.
Jeppesen & Co.: *See*—
Urben, Frederick E. 3,350,007.
Jeppson, Morris R., to Cryodry Corp. Method and apparatus for freeze-drying foods. 3,304,617, 2–21–67, Cl. 34—5.
Jeppson, Morris R., to Cryodry Corp. Process for cooking bacon with microwave energy. 3,321,314, 5–23–67, Cl. 99—107.
Jeppson, Morris R., and J. C. Harper, to Cryodry Corp. Microwave heating of substances under hydrostatic pressure. 3,335,253, 8–8–67, Cl. 219—10.55.
Jepsen, Robert E., H. F. Villaume, A. R. Winters, and F. J. Zimmerman, to Air Products and Chemicals, Inc. Cryogenic refrigeration system. 3,320,755, 5–23–67, Cl. 62—45.
Jepsen, Robert L., to Varian Associates. Ion vacuum pumps. 3,319,875, 5–16–67, Cl. 230—69.
Jepsen, Robert L., to Varian Associates. Cooling apparatus for cathode getter pumps. 3,331,975, 7–18–67, Cl. 313—7.
Jepson Ivar, and V. Laama, to Sunbeam Corp. Pressing iron. 3,308,566, 3–14–67, Cl. 38—77.
Jepson, Ivar, and L. M. Roszyk, to Sunbeam Corp. Electric shaver. 3,311,763, 3–28–67, Cl. 310—50.
Jepson, Ivar, S. J. Dokos, and S. H. Bielak, to Sunbeam Corp. Can opener. 3,313,023, 4–11–67, Cl. 30—4.
Jepson, Ivar, J Wied, and G. R. Wolter, to Sunbeam Corp. Vacuum cleaner. 3,321,794, 5–30–67, Cl. 15—337.
Jepson, Ivar, and G. R. Wolter, to Sunbeam Corp. Food mixer. 3,333,824, 8–1–67, Cl. 259—1.
Jepson, Ivar, F. J. Schuessler, W. C. Jackson, and J. E. Jensen, to Sunbeam Corp. Electric shaver. 3,349,263, 10–24–67, Cl. 310—47.
Jepson, Ivar, and A. F. Ernstberger, to Sunbeam Corp. Floor conditioner. 3,349,266, 10–24–67, Cl. 310—247.
Jepson, Ivar, L. M. Roszyk, and D. C. Stahly, to Sunbeam Corp. Electrically operated dry shaver. 3,359,635, 12–26–67, Cl. 30—43.92.
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Heider, Joachim, and Jerchel. 3,314,854.
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Schroder, Ludwig, Thomas, and Jerchel. 3,321,481.
Jerchower, Lewis A., to Pioneer Industries, Inc. Door or window frame. 3,354,585, 11–28–67, Cl. 49—504.
Jered Industries, Inc.: *See*—
Fournier, Daniel B. 3,359,785.
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Jonker, Michiel F., to Wickman South Africa (Proprietary) Ltd. Mounting for conveying belt idlers. 3,327,838, 6–27–67, Cl. 198—192.
Jonkers, Johannes J. A., and E. F. de Haan, to North American Philips Co., Inc. Method of manufacturing two-sided mosaic plates for cathode ray tubes. 3,322,654, 5–30–67, Cl. 204—12.
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Jonsson, Emil I., to Atlas Copco Aktiebolag. Automated rock drill positioning support. 3,307,637, 3–7–67, Cl. 173—44.
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Jonsson, Olov M., to Bofors Aktiebolaget. Control device. 3,308,675, 3–14–67, Cl. 74—471.
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Jonsson, Per G., to International Standard Electric Corp. Automatic loud speaker intercommunication telephone system. 3,296,380, 1–3–67, Cl. 179—18.
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Jorda, Robert M., T. J. Robichaux, and N. D. Smith, Jr., to Shell Oil Co. Process for treating oily surfaces with polyepoxide compositions. 3,355,315, 11–28–67, Cl. 117—97.
Jordan, Alfred. Rotary piston apparatus. 3,295,505, 1–3–67, Cl. 123—17.
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Jordan, Charles R. Means for handling radiators for repairs. 3,301,547, 1–31–67, Cl. 269—20.
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Jordan, Manuel A., and J. F. Meyer, to Schenectady Chemicals, Inc. Polyester coatings for insulated electrical conductors. 3,296,024, 1–3–67, Cl. 117—218.
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Jordan, Merrill E., H. M. Cole, W. G. Burbine, and D. L. Petterson, to Cabot Corp. Carbon black process. 3,330,679, 7–11–67, Cl. 106—307.
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Jordansson, Lars B., and P. B. Wahlström, to Aktiebolaget Kalstads Mekaniska Werkstad. Apparatus for removing liquid from fourdrinier wire in paper-making. 3,350,263, 10–31–67, Cl. 162—351.
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Jorgensen, August H., Jr., P. H. Starmer, and J. F. Stuesse, to The B. F. Goodrich Co. Self-curing synthetic polymer blends. 3,315,012, 4–18–67, Cl. 260—851.
Jorgensen, David F. Paint shield. 3,297,000, 1–10–67, Cl. 118—504.
Jorgensen, George N., to Square D Co. Trim panel door and clamp assemblies for electrical panelboards and telephone cabinets. 3,339,124, 8–29–67, Cl. 317—120.
Jorgensen, George N., to Square D Co. Bus duct hanger. 3,345,022, 10–3–67, Cl. 248—59.
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Jorgensen, George N., H. I. Stanback, and R. W. Dunham, to Square D Co. Electrical panelboard. 3,354,357, 11–21–67, Cl. 317—119.
Jorgensen, Gunnar V. Writing implement with selective illustration viewing means. 3,343,292, 9–26–67, Cl. 40—334.
Jorgensen, Irving W. Display device. 3,350,805, 11–7–67, Cl. 40—125.
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Jorgensen, Mark B., to Kimberly-Clark Corp. Bale strap means and pulp bale combination. 3,330,409, 7–11–67, Cl. 206—83.5.
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Jori, Luciano. Process and an apparatus for diluting an acetic acid solution of cellulose acetate with water. 3,332,-937, 7–25–67, Cl. 260—230.
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Jorna, Ype, C. A. Van Staaden, W. Stoorvogel, and E. Ferwerda, to Hollandse, N.V. Signaalapparaten. Radar system. 3,328,797, 6–27–67, Cl. 343—7.9.
Joron, Louis, to International Standard Electric Corp. Testing machine for wrapped connections. 3,354,708, 11–28–67, Cl. 73—133.
Jorpes, Johan E., and V. Mutt. Chemically and biologically pure secretin polypeptide and unit dosage containing the polypeptide. 3,326,764, 6–20–67, Cl. 167—74.
Jorre, Daniel, and C. Staib, to Institut de Recherches de la Siderurgie Francaise. Methods of control of industrial processes by continuous analysis of a gaseous mixture having a variable composition. 3,359,784, 12–26–67, Cl. 73—23.
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Joseph, Daniel E. Portable control for a machine tool motor system. 3,323,029, 5–30–67, Cl. 318—17.
Joseph, Earl C., A. Kaplan, and S. K. Poppleton, to Sperry Rand Corp. Search memory. 3,332,069, 7–18–67, Cl. 340—172.5.
Joseph, Gerald J., and K. C. Olson, to Wood Conversion Co. False beam ceiling structure. 3,342,006, 9–19–67, Cl. 52—718.
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Joseph, Raymond S., and D. F. Buell, to General Electric Co. Television receiver cabinet including device for isolating antenna. 3,337,280, 8–22–67, Cl. 312—7.
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Joseph, Walter F., to United States of America, Navy. Direct current power supply having plural regulated outputs. 3,337,787, 8–22–67, Cl. 321—2.
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Jost, Ernest M., to Texas Instruments Inc. Method of making storage battery plaques. 3,314,822, 4–18–67, Cl. 136—29.
Jost, Ernest M., to Texas Instruments Inc. Electrodes. 3,351,-439, 11–7–67, Cl. 29—182.2.
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Jourdan, Charles G. Machines for lasting the toe ends of shoes. 3,309,721, 3–21–67, Cl. 12—8.8.
Jourdan, Daniel. System for enabling motor vehicles to climb obstacles. 3,357,510, 12–12–67, Cl. 180—7.
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Joyner, Frederick B., and H. W. Coover, Jr., to Eastman Kodak Co. High-density polypropylene blend with a cellulose ether or ester. 3,303,148, 2–7–67, Cl. 260—17.
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Jucker, Ernst, A. J. Lindenmann, and A. Vogel, to Sandoz Ltd. (also known as Sandoz A. G.) 5-hydrazino-pyrazol derivatives. 3,299,091, 1–17–67, Cl. 260—310.
Jucker, Ernst, and A. Ebnother, to Sandoz Ltd., also known as Sandoz A.G. 5-(N-methyl-pyrrolidyl)-dibenzo[a,d]cycloheptal1,4]diene or acid addition salts thereof. 3,314,973, 4–18–67, Cl. 260—326.81.
Jucker, Ernst, A. J. Lindenmann, and J. Gmünder, to Sandoz Ltd., also known as Sandoz A.G. 1(4-piperidyl)-hydrazine derivatives. 3,322,774, 5–30–67, Cl. 260—293.
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Jucker, Ernst, and A. J. Lindenmann, to Sandoz Ltd. (also known as Sandoz A.G.). N-(dilomer alkyl piperidino and morpholino)-2,4-dichloro-5-sulphamyl benzoic acid amides. 3,337,547, 8–22–67, Cl. 260—247.1.
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Juculano, Theodore C., to Marvel Equipment Corp. Releasable metal scaffolding connector. 3,345,655, 10–10–67, Cl. 5—327.
Juda, Walter, to Prototech Inc. Method of treating waste substances to derive hydrogen and other gases therefrom, and hydrogen-containing gaseous product. 3,317,292, 5–2–67, Cl. 48—209.
Juda, Walter, to Prototech Inc. Fire-retardant tape utilizing an intumescent coating. 3,336,153, 8–15–67, Cl. 117—68.5.
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K&W Products, Inc.: *See*—
Bogner, Paul M. 3,332,055.
Kaanehe, John. Dry product dispenser means. 3,344,958, 10–3–67, Cl. 222—181.
Kaarlela, William T., to General Dynamics Corp. Method for brazing super alloys and refractory metals. 3,342,971, 9–19–67, Cl. 219—85.
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Murphy, Howard E., and Kabell. 3,334,309.
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Kacalieff, Christ D. Molding apparatus. 3,343,222, 9–26–67, Cl. 18—42.
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Kachel, Irwin, to The Rauland Corp. Thermionic cathode forming process using electrostatic charge attraction. 3,342,635, 9–19–67, Cl. 117—223.
Kachergis, Henry J., to Scovill Mfg. Co. Multiple capacity syringe. 3,307,548, 3–7–67, Cl. 128—218.
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Kackloudis, Steve J., to Bedford Heights. Tubular hair roller with removable hair clip. 3,335,734, 8–15–67, Cl. 132—40.
Kaczeus, Steve L., to Huyck Corp. Apparatus for measuring the tension of flexible materials. 3,296,857, 1–10–67, Cl. 73—159.
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Kaenel, Reginald A., to Bell Telephone Laboratories, Inc. Apparatus facilitating adjustment of equalizers. 3,321,719, 5–23–67, Cl. 333—28.
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Kaess, Gary, to Polaroid Corp. Camera apparatus. 3,330,193, 7–11–67, Cl. 95—11.
Kaess, Gary, and D. S. Wilson, to Polaroid Corp. Semi-automatic apparatus for withdrawing photographic film units from a film pack. 3,316,823, 5–2–67, Cl. 95—1.
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Kagan, Fred, and W. J. Wechter, to The Upjohn Co. 4-phenoxy-3,5-dihalophenylalkanols and hypocholesteremic compositions containing the same. 3,357,887, 12–12–67, Cl. 167—65.
Kagan, George M., and A. L. Miller, to Esso Research and Engineering Co. Emulsion polymers of a 2-methyl alpha olefin and a dialkyl fumarate. 3,314,908, 4–18–67, Cl. 260—29.6.
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Kahan, George J., and J. L. Mees, to International Business Machines Corp. Method for making printed circuits. 3,305,416, 2–21–67, Cl. 156—3.
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Kahili, Henry A. Oscillating wire trimming apparatus. 3,358,-343, 12–19–67, Cl. 25—105.
Kahl, Joseph. Portable motor-aspirated psychrometer. 3,303,700, 2–14–67, Cl. 73—338.6.
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Kahle, Gerald R., to Phillips Petroleum Co. Organopolylithium polymerization initiators and their preparation. 3,296,150, 1–3–67, Cl. 252—431.
Kahle, Gerald R., to Phillips Petroleum Co. Process for polymerizing isoprene with a lithium catalyst and a halogen adjuvant. 3,312,680, 4–4–67, Cl. 260—94.2.
Kahle, Gerald R., and O. G. Buck, to Phillips Petroleum Co. Polymers of 1-monoolefins and fulvenes. 3,313,786, 4–11–67, Cl. 260—79.5.
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Kahle, Rolf D., to OPE Controls, Inc. Data collection system. 3,320,805, 5–23–67, Cl. 73—313.
Kahlenberg, James F. Fluid flow adjustment device for manifolded dispensing nozzles. 3,357,606, 12–12–67, Cl. 222—486.
Kahlow, William. Extruder for collapsible tubes. 3,303,969, 2–14–67, Cl. 222—98.
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Kahn, Andre L. : *See*—
Herold, Charles V., and Kahn. 3,342,640.
Kahn, Elliot, and A. Bobrowich, to Louver, Arrow and Damper Corp. Damper construction. 3,312,242, 4–4–67, Cl. 137—601.
Kahn, Elliott H., W. M. Nelson, and S. Stempler, to United States of America, Navy. Bio-instrumentation monitoring and display device. 3,309,684, 3–14–67, Cl. 340—213.
Kahn, Frank : *See*—
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Kahn, Harry J. Stressed structural element. 3,315,425, 4–25–67, Cl. 52—223.
Kahn, Henry. Method of determining the proper depth of penetration of a root canal file. 3,330,040, 7–11–67, Cl. 32—57.
Kahn, Iwan, to Contraves AG. Method of and apparatus for gun firing practice. 3,304,846, 2–21–67, Cl. 95—1.
Kahn, Leo M. Method of washing and centrifuging. 3,320,-624, 5–23–67, Cl. 8—159.

Kahn, Leo M. Balancing systems for extractors, particularly washing or cleaning machines. 3,330,168, 7–11–67, Cl. 74—573.
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Kahn, Leonard R. Signal selection and squelch control in wideband radio receivers. 3,337,808, 8–22–67, Cl. 325—474.
Kahn, Leonard R. Compatible single-sideband system with synthesized phase modulating wave. 3,350,645, 10–31–67, Cl. 325—137.
Kahn, Nathaniel L.: *See*—
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Kahn, Nathaniel L., R. D. Reiser, G. A. Harris, Jr., and M. Schrier, to Sangamo Electric Co. Meter encoder-transmitter. 3,312,964, 4–4–67, Cl. 340—204.
Kahn, Peter B.: *See*—
Deverell, Geoffrey J., and Kahn. 3,359,818.
Hordley, Albert E., and Kahn. 3,315,940.
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Kahn, Samuel G., and P. P. Actor, to E. R. Squibb & Sons, Inc. Synergistic coccidiostatic compositions and methods. 3,323,-991, 6–6–67, Cl. 167—53.1.
Kahn, Stephen: *See*—
Deutsch, David E., and Kahn. 3,334,020.
Kahn, Walter C. Pipe heating arrangement. 3,351,738, 11–7–67, Cl. 219—301.
Kahn, Walter C., to Electro-Trace Corp. Pipe heating arrangement. 3,354,292, 11–21–67, Cl. 219—301.
Kahn, William M.: *See*—
Reach, Roy W., and Kahn 3,304,858.
Kahng, Dawson, J. R. Ligenza, and S. H. Wemple, to Bell Telephone Laboratories, Inc. Method for making electrode connections to potassium tantalate-niobate. 3,323,947, 6–6–67, Cl. 117—213.
Kahre, LeRoy C.: *See*—
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Kahrs, Karl-Heinz, A. Staller, and J. W. Zimmermann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of stable aqueous dispersions of vinyl ester polymers. 3,301,805, 1–31–67, Cl. 260—29.6.
Kahrs, Karl-Heinz, and W. Ehmann, to Farbwerke Hoechst vormals Meister Lucius & Bruning, Aktiengesellschaft. Process for the manufacture of low molecular weight homo- and copolymers of vinyl esters. 3,311,595, 3–28–67, Cl. 260—78.5.
Kahushiki Kaisha Daikin Seisakusho: *See*—
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Kai, Shigeto: *See*—
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Kaier, William A. Apparatus for troweling. 3,311,086, 3–28–67, Cl. 118—120.
Kain, Per, and V. Torok, to Allmanna Svenska Elektriska Aktiebolaget. Rolling mill. 3,353,384, 11–21–67, Cl. 72—19.
Kaindl, Franz: *See*—
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Kairies, Wilhelm, and A. von Konig, to Agfa Aktiengesellschaft. Stabilising photographic silver halide emulsions with organic mercury compounds. 3,356,503, 12–5–67, Cl. 96—109.
Kaiser, Ado: *See*—
Bollag, Werner, Gutmann, Hegedus, Kaiser, Langemann, Muller, and Zeller. 3,330,837.
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Kaiser Aerospace & Electronics Corp.: *See*—
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Balding, George H. 3,344,276.
Cornell, Kent M., Gard, and McAfee. 3,331,069.
Kaiser Aluminum & Chemical Corp.: *See*—
Bailey, Thomas W. 3,338,016.
Bastis, Thomas E., Bridges, Houck, and Moore. 3,340,489.
Berg, David G. 3,312,031.
Berridge, Jack A. 3,309,829.
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Kaplan, Leo I., to Poly Industries, Inc. Gas turbine engine with controllable power output. 3,324,655, 6–13–67, Cl. 60—39.16.
Kaplan, Lloyd A., to General Dynamics Corp. Isolation and purification of phosphonitrilic chloride adducts. 3,299,001, 1–17–67, Cl. 260—47.
Kaplan, Louis, to Curtiss-Wright, Corp. Cockpit motion system for aircraft simulators. 3,304,628, 2–21–67, Cl. 35—12.
Kaplan, Louis G. Reversible viscous shear coupling. 3,329,246, 7–4–67, Cl. 192—58.
Kaplan, Marvin B.: *See*—
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Kaplan, Melvin, to Allied Chemical Corp. Polyisocyanate compositions and preparation thereof. 3,316,286, 4–25–67, Cl. 260—453.
Kaplan, Morton S. Method for casting rings by the lost wax process. 3,302,257, 2–7–67, Cl. 22—196.
Kaplan, Murray A., and A. P. Granatek, to Bristol-Myers Co. Purification of tetracycline. 3,301,899, 1–31–67, Cl. 260—559.
Kaplan, Ruth: *See*—
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Kaplan, Ruth. Walking and talking doll. 3,296,736, 1–10–67, Cl. 46—118.
Kaplan, Sam H., to Zenith Radio Corp. Color image reproducer having red phosphor combined with red-pass filter element. 3,308,326, 3–7–67, Cl. 313—92.
Kaplan, Sam H., to The Rauland Corp. Method for making color phosphor screens. 3,342,594, 9–19–67, Cl. 96—36.1.
Kaplan, Sam H., to The Rauland Corp. Subtractive type color cathode ray tube having overlapping color phosphor areas. 3,344,301, 9–26–67, Cl. 313—92.
Kaplan, Sam H., and T. S. Noskowicz, to The Rauland Corp. Apparatus for effectively reducing overscan in a cathode ray tube. 3,334,258, 8–1–67, Cl. 313—75.
Kaplan, Sherman R., and H. A. Corrigan; said Corrigan, assor. to Dwyer-Baker Electronics Corp. Cardiac monitor. 3,342,176, 9–19–67, Cl. 128—2.06.
Kaplan, Sidney, to R. Kaplan. Amusement key. 3,343,835, 9–26–67, Cl. 272—8.
Kaplow, Milton, to General Foods Corp. Vacuum sealable container for hydratable products. 3,307,736, 3–7–67, Cl. 220—54.
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Kappe, Stanley E., to FMC Corp. Waste treatment process and apparatus. 3,337,449, 8–22–67, Cl. 210—15.
Kappe, Stanley E., to FMC Corp. Sewage treatment process and apparatus. 3,347,784, 10–17–67, Cl. 210—6.
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Kappel, Hans. Hospital bed. 3,323,146, 6–6–67, Cl. 5—90.
Kappel, James C. Sectional crankshaft. 3,309,941, 3–21–67, Cl. 74—597.
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Kappeler, Heini, and R. Schwyzer, to Ciba Corp., Intermediate in synthesis of α1–24 ACTH. 3,345,354, 10–3–67, Cl. 260—112.5.
Kappelhoff, Hermann, M. G. Gennerich, W. Paul, W. Steinbeck, and W. Niemeyer, to Windmoller & Holscher. Crossed-bottom sack and process and method for manufacturing same. 3,313,217, 4–11–67, Cl. 93—35.
Kappelmann, Benjamin O., and D. L. Duncan, to Precision Agricultural Machinery Co. Mulch sheet perforating apparatus. 3,333,557, 8–1–67, Cl. 111—91.
Kappenhagen, George A., and C. P. Porterfield, to The Ohio Crankshaft Co. High frequency electrical power source with pulsating control. 3,332,036, 7–18–67, Cl. 331—173.
Kappenhagen, George A., and R. A. Meermans, to The Ohio Crankshaft Co. Corner bracket for electrical component cabinet. 3,338,012, 8–29–67, Cl. 52—282.
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Kappus, Peter G., to General Electric Co. VTOL aircraft. 3,335,976, 8–15–67, Cl. 244—12.
Kappus, Peter G., to General Electric Co. Cruise fan powerplant. 3,355,890, 12–5–67, Cl. 60—262.
Kappus, Ulrich. Hood for conduit. 3,334,660, 8–8–67, Cl. 138—39.
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Kaptur, Robert E., and L. A. Kepner, to Ford Motor Co. Motor and gearing controls operate the clutch fluid controls. 3,322,248. 5–30–67, Cl. 192—3.5.
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Karavias, Alexander N. Self-compensating transmission for driving and/or braking the wheels of a vehicle. 3,343,620, 9–26–67, Cl. 180—23.
Karbosky, Joseph T., to Phillips Petroleum Co. Fluid handling. 3,303,661, 2–14–67, Cl. 62—55.
Karbosky, Joseph T., to Phillips Petroleum Co. Method and apparatus for controlling the temperature of a fluid removed from a source thereof. 3,345,827, 10–10–67. Cl. 62—55.

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Karecki, Marion R., and A. C. Ratter, to V-M Corp. Speed change mechanism for belt driven devices. 3,303,711, 2–14–67, Cl. 74—242.3.
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Karfo, John K. Apparatus for producing 3-dimensional form. 3,357,308, 12–12–67, Cl. 90—13.
Karge, Maxwell R. Linear motion bearing assembly. 3,353,875, 11–21–67, Cl. 308—6.
Karhu, Esko. Expansion bolt. 3,304,828, 2–21–67, Cl. 85—66.
Kari, Veikko L. Steplessly controlled differential reducer coupling. 3,324,746, 6–13–67 Cl. 74—796.
Karich, John: *See*—
Pickard, Albert F., and Karich. 3,305,033.
Karich, John, and A. F. Pickard, to E. J. Longyear Co. Wire line core barrel. 3,333,647, 8–1–67, Cl. 175—247.
Karikawa, Toru, K. Ito, and N. Uno, to Asahi Kogaku Koguyo Kabushiki Kaisha (English name), Asahi Optical Industry Co., Ltd. Camera shutter arrangement responsive both photoelectric and mechanical time control systems. 3,303,766, 2–14–67, Cl. 95—10.
Karin, Bert, and A. C. Baker, to Northrop Corp. Munitions for targets. 3,306,199, 2–28–67, Cl. 102—7.4.
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Karkoska, Frank D. Coating apparatus including means to rotate and translate a rod-substrate. 3,354,866, 11–28–67, Cl. 118—409.
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Karl, Henry J. Filing systems. 3,315,684, 4–25–67, Cl. 129—21.
Karl, Martin. Dyeing apparatus. 3,295,340, 1–3–67, Cl. 68—27.
Karl, Robert. Automobile seat backrest locking device. 3,339,-976, 9–5–67, Cl. 297—379.
Karl, Walter, to Utilux Proprietary Ltd. Terminal applying machine. 3,350,765, 11–7–67, Cl. 29—203.
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Karlby, Henning, and W. F. Z. Lee, to Rockwell Mfg. Co. Viscosity compensated turbine flow meter. 3,355,947, 12–5–67, Cl. 73—230.
Karle, Franklin J., and E. D. Ayers, to The Dow Chemical Co. Electron source for mass spectrometers having an elongated filament and a concave focusing electrode with a resistive coating. 3,346,735, 10–10–67, Cl. 250—41.9.
Karlen, Harvey R., and D. C. Eisendrath, to Cory Corp. Beverage brewing and dispensing apparatus. 3,326,115, 6–20–67, Cl. 99—283.
Karlet, Joseph G.: *See*—
Jamison, Warner A., and Karlet. 3,333,097.
Karley, William J. Vehicle mounted aerating device for minnow buckets. 3,348,826, 10–24–67, Cl. 261—121.
Karlin, Anthony F.: *See*—
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McNinch, Herbert A., and Karll. 3,309,316.
Karlovsky, Jerry, Jr., to National Mine Service Co. Boring head having extensible arm and relatively rotated concentric cutter. 3,309,144, 3–14–67, Cl. 299—60.
Karlovsky, Jerry, Jr., to National Mine Service Co. Articulated chain type conveyor. 3,324,990, 6–13–67, Cl. 198—171.
Karlovsky, Jerry, Jr., to National Mine Service Co. Mining machine with laterally extensible trim chain sprockets and locking means therefor. 3,350,137, 10–31–67, Cl. 299—61.
Karlovsky, Jerry, Jr., C. C. Conway, and J. M. Cookson, to National Mine Service Co. Continuous miner having angularly adjustable trimmer bars. 3,309,143, 3–14–67, Cl. 299—57.
Karlovsky, Jerry, Jr., and R. A. Butler, to National Mine Service Co. Mining machine having adjustable rotary cutter heads on rotary turrets. 3,331,636, 7–18–67, Cl. 299—57.
Karlovsky, Jerry, Jr., C. C. Conway, and J. M. Cookson, to National Mine Service Co. Continuous miner having pivotal flaps between gear and conveyor trough. 3,339,982, 9–5–67, Cl. 299—57.
Karlowetz, Bruno. Die forging machine. 3,355,931, 12–5–67, Cl. 72—404.
Karlsen, Stanley A. Pulverizing earth and rock drilling head. 3,299,972, 1–24–67, Cl. 175—107.
Karlsson, Elof K., and E. C. Collins, to International Harvester Co. Rotary cleaning unit. 3,348,676, 10–24–67, Cl. 209—22.
Karlsson, Folke E., to Aktiebolaget Scania-Vabis. Supplementary gear set insertable between a main gear set and a transmission connected to the driven road wheels of a motor vehicle. 3,296,895, 1–10–67, Cl. 74—781.
Karlsson, Gosta: *See*—
Fredrikson, Bengt, Haas, Karlsson, and Rydinger. 3,334,-171.
Karlsson, Gosta, and K. Folgero, to Allmanna Svenska Elekriska Aktieboget. Vacuum degassing apparatus. 3,345,056, 10–3–67, Cl. 266—34.
Karlsson, Hans I. R. Device for automatically locking a belt or the like. 3,323,749, 6–6–67, Cl. 242—107.4.
Karlsson, Sven O.: *See*—
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Karlyn, William M. Synchronized automatic decorating and drying apparatus. 3,315,779, 4–25–67, Cl. 198—20.
Karlyn, William M. Article transfer mechanism for decorating and drying apparatus. 3,315,780, 4–25–67, Cl. 198—20.
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Karmann, Thomas R., to Valley Mfg. Co. Welding tapered pipe. 3,329,329, 7–4–67, Cl. 228—17.
Karmas, George, to Ortho Pharmaceutical Corp. 3-alkylene hemithioketals and 3-enol ethers of steroids. 3,354,153, 11–21–67, Cl. 260—239.55.
Karmazin, John. Heat exchanger. 3,311,165, 3–28–67, Cl. 165—109.
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Karnath, Gunther, to K. Karnath and M. H. Hoepli. Milking machine. 3,302,614, 2–7–67, Cl. 119—14.36.
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Karnath, Gunther. 3,302,614.
Karnath, Klaus-Jurgen, G., and K. 3,298,355.
Karnath, Klaus-Jurgen, G., and K. Vacuum operated milking machine. 3,298,355, 1–17–67, Cl. 119—14.46.
Karnatz, Frank A.: *See*—
Cislak, Francis E., and Karnatz. 3,335,145.
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Karnofsky, George B., to Blaw-Knox Co. Ice melting system. 3,338,064, 8–29–67, Cl. 62—58.
Karns, James A. Retractable trailer tongue jack. 3,314,692, 4–18–67, Cl. 280—475.
Karnuth, Delmar D. Brush attachment for shaving cream cans. 3,351,418, 11–7–67, Cl. 401—270.
Karol, Kenneth N., to AMP Inc. Shielded electrical connection device. 3,335,388, 8–8–67, Cl. 339—18.
Karol, Kenneth N., and E. S. Thall, to Radio Corp. of America. Electrode mount and method of manufacture thereof. 3,300,677, 1–24–67, Cl. 315—3.5.
Karol, Kenneth N., and T. R. Johnson, to AMP Inc. Plugboard actuating mechanism. 3,302,065, 1–31–67, Cl. 317—99.
Karol, Raymond J. Expansible reciprocating piston. 3,352,213, 11–14–67, Cl. 92—204.

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Karoly, Gabriel, to Esso Research and Engineering Co. Method of dyeing polyolefin fibers. 3,332,732, 7–25–67, Cl. 8—42.
Karoly, Gabriel, R. L. McDougall, and A. F. Turbak, to Esso Research and Engineering Co. Blending of polypropylene with nickel organic compounds to improve dyeability. 3,296,239, 1–3–67, Cl. 260—93.7.
Karoly, Gabriel, A. Noshay, and A. F. Turbak, to Esso Research and Engineering Co. Dyeable polyolefins. 3,310,-548, 3–21–67. Cl. 260—93.7.
Karolyi, Jozsef: *See*—
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Karow, William E.: *See*—
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Karow, William E., and L. E. Simpson. Photographic method and system. 3,312,143, 4–4–67, Cl. 88—24.
Karp, Edward C., to Sanitary Scale Co. Relaceable printing type slug member. 3,308,756, 3–14–67, Cl. 101—396.
Karp, Edward C., to Sanitary Scale Co. Weigh scale with fast response lever and spring balance arrangement. 3,308,-900, 3–14–67, Cl. 177—230.
Karp, Jay C., to Alpha Microelectronics Co., Inc. Integrated circuit sealing method and structure. 3,349,481, 10–31–67, Cl. 29—627.
Karp, Norman. Apparatus for handling coins. 3,297,242, 1–10–67, Cl. 232—1.
Karp, Norman. Cloth board and method for making same. 3,327,844, 6–27–67, Cl. 206—50.
Karp, Richard M.: *See*—
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Karpe, Kenneth L., and M. J. Bogdanowicz, to International Audio Visual Institute Inc. Picture projector apparatus with sound synchronized with projected images. 3,339,455, 9–5–67, Cl. 88—27.
Karpenko, Alexei K., V. D. Bondareva, M. D. Malinin, M. K. Dmolsnisky, V. G. Koroleva, I. F. Poljakov, and V. I. Saveljev, to Moscowskaja Konditerskaja Fabrika Krasny Oktjabr. Method and apparatus for making milk caramel mass for manufacturing "iris." 3,356,045, 12–5–67, Cl. 107—4.
Karper, Albert. Card filing devices. 3,326,615, 6–20–67, Cl. 312—252.
Karper, Karl, to Gebruder Buhler. Photosensitive apparatus for color testing and color control in a processing plant. 3,321,636, 5–23–67, Cl. 250—218.
Karpiel, Harvey B.: *See*—
Deli, Jack M., and Karpiel. 3,333,485.
Karpinsky, Jurij, to Ceskoslovenska akademie ved. Method and apparatus for measuring the intensity of the magnetic component of weak electromagnetic fields of radio frequencies. 3,296,533, 1–3–67, Cl. 325—363.
Karplus, Walter J. Computer. 3,317,718, 5–2–67, Cl. 235—150.31.
Karpovich, John, and W. F. Clark, to The Dow Chemical Co. Method of preparing re-expandable foam. 3,342,922, 9–19–67, Cl. 264—321.
Karr, Robert I.: *See*—
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Karr, Robert L. Safety razor with adjustable guard. 3,314,-147, 4–18–67, Cl. 30—60.5.
Karr, Theodore J.: *See*—
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Karr, Willis F., to Federal Engineering Co. Moving sidewalk. 3,314,517, 4–18–67, Cl. 198—16.
Karras, Elias. Air circulating member for a shoe. 3,331,146, 7–18–67, Cl. 36—3.
Karras, Ernest C., to International Telephone and Telegraph Corp. Sinewave ringing generator including a phase shift oscillator operated in a saturated mode. 3,316,502, 4–25–67, Cl. 331—108.
Karras, Thomas W.: *See*—
Hall, Harold E., and Karras. 3,350,885.
Karsay, Bela I., to Allied Chemical Corp. Pickle liquor. 3,340,-015, 9–5–67, Cl. 23—293.
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Karst, William B.: *See*—
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Karsten, Kenneth S., to R. T. Vanderbilt Co., Inc. Cleansing compositions adapted to inhibit the formation of body odor. 3,355,388, 11–28–67, Cl. 252—107.
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Karstetter, Bruce R.: *See*—
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Kartinen, Ernest O., and F. E. Akerlund, to Signal Oil and Gas Co. Refuse incinerating process and apparatus. 3,-303,798, 2–14–67, Cl. 110—11.
Kartluke, Herbert: *See*—
Boyd, Charles A., and Kartluke. 3,320,808.
Kartridg Pak Co., The: *See*—
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Runge, Heinz F. 3,325,965.
Karwat, Ernst, to Linde Aktiengesellschaft. Process and apparatus for the production of ammonia synthesis gas from hydrogen containing gas mixtures. 3,327,487, 6–27–67, Cl. 62—13.
Karwat, Ernst, to Lind Aktiengesellschaft. Selective adsorption of gases at low temperature. 3,355,859, 12–5–67, Cl. 55—25.
Kasai, Toshiyasu. Novel 4-alkoxy naphthalimides. 3,310,-564, 3–21–67, Cl. 260—281.
Kasajima, Kingo, to Janome Sewing Machine Co., Ldt. Brush mounting arrangement. 3,313,966, 4–11–67, Cl. 310—239.
Kasak, August: *See*—
Dulis, Edward J., and Kasak. 3,303,023.
Kasak, August, E. J. Dulis, and V. K. Chandhok, to Crucible Steel Co. of America. Heat-resistant high-strength stainless steel. Re. 26,225, 6–20–67, Cl. 75—126.
Kasakoff, Sam. Coffee maker. 3,348,469, 10–24–67, Cl. 99—320.
Kasamatsu, Yutaka: *See*—
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Kasehagen, Leo, to Atlas Chemical Industries, Inc. Dual feed hydrogenolysis process for glycerin and glycoes using feed of reducible sugar with hydrogenolysed residue of process. 3,341,609, 9–12–67, Cl. 260—635.
Kasher, Charles, to Boonton Molding Co., Inc. Coffee brewing apparatus with means for removing used coffee grounds. 3,307,474, 3–7–67, Cl. 99—287.
Kashima, Hiroshi, W. Kurokawa, S. Kai, and K. Oka, to Asahi Kasei Kogyo Kabushiki Kaisha. Process and apparatus for producing stretchable high bulky yarns. 3,346,931, 10–17–67, Cl. 28—1.
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Kaspar, Arthur H. Multi-shelf rack. 3,300,056, 1–24–67, Cl. 211—134.
Kaspar, Bryce C. Speed measuring apparatus. 3,349,616, 10–31–67, Cl. 73—184.
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Kaspaul, Alfred F., and J. W. Christensen, to Minnesota Mining and Mfg. Co. Electrolytic electrophotography. 3,317,409, 5–2–67, Cl. 204—18.
Kaspaul, Alfred F. and E. E., to Minnesota Mining and Mfg. Co. Process for the formation of images on a substrate. 3,333,984. 8–1–67, Cl. 117—212.
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Kaspaul, Alfred F. and E. E. 3,333,984.
Kasper, Andrew A., to The Kendall Co. Irradiation of pressure-sensitive adhesive tape in an oxygen free state. 3,328,-194, 6–27–67. Cl. 117—62.
Kasper, Andrew A., to The Kendall Co. Exposure to intense ultra violet light to improve characteristics of cellulosic fabrics in divinyl sulfone and glyoxal cross-linking processes. 3,357,784, 12–12–67, Cl. 8—116.4.
Kasper, Frank S., to Amtron, Inc. Slicing machine having automatic controls for producing groups of preselected weight. 3,334,672, 8–8–67, Cl. 146—95.
Kasper, Frank S., and R. L. Billingsley, to Amtron, Inc. Dual channel servo-amplifier circuit. 3,323,031, 5–30–67, Cl. 318—29.
Kasper, Frank S., and R. L. Billingsley, to Amtron, Inc. Matrix circuitry controlled by timing modules having individual time duration outputs. 3,350,688, 10–31–67, Cl. 340—166.
Kasper, Robert J., to The Ohio Crankshaft Co. Apparatus and method for protecting the coil of an induction melting furnace. 3,300,563, 1–24–67, Cl. 13—26.
Kasper, Robert J., to The Ohio Crankshaft Co. Coil assembly for an induction melting furnace and method of making same. 3,311,695, 3–28–67, Cl. 13—27.
Kasper, Robert J., to The Ohio Crankshaft Co. Apparatus for energizing an induction melting furnace with a three phase electrical network. 3,331,909, 7–18–67, Cl. 13—27.

Kasperowicz, Henry, and M. Gasparik, to General Electronics Corp. Method for interchanging curvature of cathode-ray tube face plate. 3,340,032, 9–5–67, Cl. 65—37.
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Kasser, Ivan M. and A. Method for preparing viscose spinning solution. 3,354,141, 11–21–67, Cl. 260—217.
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Kastamo, James L., R. N. Means, L. Barr, E. M. Ostrowsky, and A. R. Best, to Nibot Corp. Method and apparatus for distributing and dispensing liquid products. 3,343,719, 9–26–67, Cl. 222—1.
Kastan, Howard, to Lockheed Aircraft Corp. Helicopter rotor. 3,330,362, 711–67, Cl. 170—160.53.
Kasten, Walter, to The Bendix Corp. Water discharge device for a fuel filter water separator. 3,297,161, 1–10–67, Cl. 210—114.
Kasten, Walter, to The Bendix Corp. Filter unit having check valves insuring one-way flow. 3,302,790, 2–7–67, Cl. 210—134.
Kasten, Walter, to The Bendix Corp. Filter assembly sump drain flow regulator. 3,312,350, 4–4–67, Cl. 210—307.
Kasten, Walter, to The Bendix Corp. Fuel filter water separator. 3,312,351, 4–4–67, Cl. 210—307.
Kasten, Walter, to The Bendix Corp. Filter unit. 3,317,048, 5–2–67, Cl. 210—234.
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Kasten, Walter, to The Bendix Corp. Frangible valve member for fuse filter. 3,339,734, 9–5–67, Cl. 210—96.
Kasten, Walter, to The Bendix Corp. Filter unit with pressure responsive valve means. 3,339,735, 9–5–67, Cl. 210—100.
Kasten, Walter, to The Bendix Corp. Contamination indicator. 3,357,236, 12–12–67, Cl. 73—61.
Kasting, Howard E., and J. P. Sachs, to Union Carbide Corp. Continuous bag making machine. 3,345,919, 10–10–67, Cl. 93—8.
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Kastning, Ernst-Guenther, H. Naarmann, C. Berding, and H. Reis, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of polymers of ethylenically unsaturated monomeric compounds. 3,296,220, 1–3–67, Cl. 260—78.5.
Kastrans, Nicholas. Game device. 3,340,735, 9–12–67, Cl. 73—380.
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Kasza, Carl J., and W. J. Smith, to Huck Mfg. Co. Fastening device and method of making same. 3,300,347, 1–24–67, Cl. 148—12.3.
Katagata, Zenji, to Denki Onkyo Kabushiki Kaisha. Narrow band facsimile communicating system. 3,351,710, 11–7–67, Cl. 178—6.
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Katano. Toshio. Method for drying raw material chips of synthetic resin. 3,349,499, 10–31–67, Cl. 34—10.
Kataoka, Hirohisa: *See*—
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Kataoka, Hiroshi. Self-operative fire extinguisher. 3,326,295, 6–20–67, Cl. 169—26.
Kataoka, Shoei, H. Yamada, and S. Kobayashi, to Agency of Industrial Science and Technology, Ministry of International Trade and Industry. Analog computers utilizing geometrical magnetoresistance effect of high mobility semiconductors. 3,353,010, 11–14–67, Cl. 235—179.
Katchalsky, Aharon, I. Z. Steinberg, A. Oplatka, and A. Kam, to Weizmann Institute of Science. Mechanochemical engine. 3,321,908, 5–30–67, Cl. 60—1.
Katchka, Jay R., to Robertshaw Controls Co. Pressure regulator for diaphragm gas valves. 3,360,198, 12–26–67, Cl. 236—80.
Katchka, Jay R., D. McAllister, and E. B. Scharer, to Robertshaw Controls Co. Control device. 3,338,517, 8–29–67, Cl. 236—80.
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Katehis, George. Diving mask with snorkel. 3,345,984, 10–10–67. Cl. 128—145.
Katell, Abraham. Combined container cover and vacuum pump. 3,313,444, 4–11–67, Cl. 220—44.
Kates, Irving, and A. Nersesian, to Bristol-Myers Co. Aerosol container. 3,295,727, 1–3–67, Cl. 222—136.
Kates, Jay F., to Watson Mfg. Co., Inc. Paneling for elevator cabs. 3,328,927, 7–4–67, Cl. 52—65.
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Kates, Josef, to Kates, Peat Marwick & Co. Coordinated control of traffic flow and parking. 3,349,368, 10–24–67, Cl. 340—41.
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Katis, William R., and J. J. McCoy, to Automatic Sprinkler Corp. of America. Pipe coupling. 3,329,446, 7–4–67, Cl. 285—112.
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Kato, Jiro, R. Iwanaga, T. Hayama, T. Komatsu, and T. Fujii, to Ajinomoto Co., Inc. Continuous process of preparing formyl carboxylates and cyano aldehydes by the oxo reaction. 3,337,603, 8–22–67, Cl. 260—465.1.
Kato, Kaoru, and T. Akiyama, to Daikin Kogyo Kabushiki Kaisha. Manufacture of monofluoroacetyl fluoride. 3,341,-581, 9–12–67, Cl. 260—544.
Kato, Keizo, S. Ide, and K. Okada, to Ajinomoto Co., Inc., and Katokura Industry Co., Ltd. Feeding silkworm larvae feed containing propionic acid. 3,295,983, 1–3–67, Cl. 99—2.
Kato, Kichiro: *See*—
Inoue, Takayuki, Kato, Toyama, and Takagi. 3,316,080.
Kato, Kimihiro: *See*—
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Kato, Koji, Shoe binding fixture for skis. 3,337,226, 8–22–67, Cl. 280—11.35.
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Kato, Shigehiko, to Kurashiki Rayon Co. Ltd. Device for opening crimped continuous tow for cigarette filters. 3,321,-808, 5–30–67, Cl. 19—65.
Kato, Shigehiko, to Kurashiki Rayon Co. Ltd. Device for treating cigarette filter plugs. 3,358,640, 12–19–67, Cl. 118—61.
Kato, Takeaki, K. Ueda, S. Horie, T. Mizutani, K. Fujimoto, and Y. Okuno, to Sumitomo Chemical Co., Ltd. Chrysanthemum carboxylic acid esters. 3,316,275, 4–25–67, Cl. 260—326.
Kato, Takeaki, K. Ueda, S. Horie, T. Mizutani, K. Fujimoto, and Y. Okuno, to Sumitomo Chemical Co., Ltd. Chrysanthemum carboxylic acid maleimidomethyl ester insecticidal compositions. 3,318,766, 5–9–67, Cl. 167—33.

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Nakamura, Hiromichi, Katoo, Minejima, Shimizu, Satoo, Nozaki, and Doochi. 3,352,641.
Katori, Mutsuhiko, to Howa Kogyo Kabushiki Kaisha. Independent swing motion apparatus for feed roller in rectilinear comber. 3,320,643, 5–23–67, Cl. 19—225.
Katsahnias, Thomas G., to Inland Steel Co. Continuous bluing and annealing process. 3,307,981, 3–7–67, Cl. 148—6.35.
Katscher, Ernst: *See*—
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Katselis, Nicholas G., to Walker Crosweller & Co. Ltd. Liquid level indicators. 3,359,798, 12–26–67, Cl. 73—308.
Katsuta, Kihei, A. Nakagawa, and H. Mitsutake, to Mitsubishi Jukogyo Kabushiki Kaisha. Method for continuous removal of contaminants from lubricating oil and apparatus therefor. 3,304,253, 2–14–67, Cl. 208—179.
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Katucki, George A., A. D. D'Ercole, W. J. Howley, D. A. Alia, to General Foods Corp. Process of dehydrating potatoes. 3,359,123, 12–19–67, Cl. 99—207.
Katz, Abraham M., to Ideal Toy Corp. Animated crying doll. 3,298,129, 1–17–67, Cl. 46—118.
Katz, Abraham M., and K. W. Lindsay, to Ideal Toy Corp. Moving eye mechanism. 3,358,400, 12–19–67, Cl. 46—135.
Katz, Davies H. Aircraft navigation instruments. 3,338,096, 8–29–67, Cl. 73—178.
Katz, Harry, to Harry Katz & Sons, Inc. Dough forming apparatus. 3,335,678, 8–15–67, Cl. 107—68.
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Katz, Herbert, to United States of America, Atomic Energy Commission. Method of stabilizing a fluidized bed using a glow discharge. 3,304,249, 2–14–67, Cl. 204—164.
Katz, Howard M., and R. C. Pryor, to Phillips Petroleum Co. Process and burner and burner assembly for LPG. 3,315,-725, 4–25–67, Cl. 158—116.
Katz, Ira R., to Hartmann Luggage Co. Removable pocketed curtains for garment-carrying bags. 3,315,772, 4–25–67, Cl. 190—43.
Katz, Jacob: *See*—
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Katz, Jacob. Dispensing device having a pivoted article delivery member. 3,313,452, 4–11–67, Cl. 221—268.
Katz, Jacob. Dispensing devices. 3,333,731, 8–1–67, Cl. 221—107.
Katz, Jacob. Article dispenser having a plurality of rotatably mounted sources with actuating means. 3,339,798, 9–5–67, Cl. 221—113.
Katz, Leon: *See*—
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Katz, Leon, and M. E. Chiddix, to General Aniline & Film Corp. Acetylene dicarboxylic acid process. 3,352,768, 11–14–67, Cl. 204—79.
Katz, Leonhard, to Astro Dynamics, Inc. Semi-conductor switching circuit with automatic unlock. 3,328,598, 6–27–67, Cl. 307—88.5.
Katz, Leonhard, and J. H. Sununu, to Astro Dynamics, Inc. Combined electric motor and fluid pump apparatus. 3,348,-490, 10–24–67, Cl. 103—87.
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Katz, Matthew, to General Precision Inc. Area measurement of irregular shapes. 3,308,376, 3–7–67, Cl. 324—61.
Katz, Miriam and J. Integrated chemical laboratory toy. 3,348,921, 10–24–67, Cl. 23—259.
Katz, Philip. Glycerated polysaccharide candy. 3,325,294, 6–13–67, Cl. 99—134.
Katz, Ronald A.: *See*—
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Katz, Seymour, to General Motors Corp. Electroless nickel plating. 3,338,740, 8–29–67, Cl. 117—160.
Katz, Seymour, to General Motors Corp. Electroless nickel plating. 3,338,741, 8–29–67, Cl. 117—160.
Katz, Seymour, to General Motors Corp. Electroless nickel plating. 3,348,969, 10–24–67, Cl. 117—160.
Katz, Seymour, and E. J. Miller, to General Motors Corp. Method of making contacts on semiconductors. 3,336,160, 8–15–67, Cl. 117—227.
Katz, Sherwin D.: *See*—
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Katz, Sidney M., to The Seeburg Corp. Carrying case for stringed musical instruments. 3,326,359, 6–20–67, Cl. 206—13.
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Roffman, Gary L., and Katz. 3,327,943.
Katz, Silas, to United States of America, Army. Fluid pressure reference. 3,313,313, 4–11–67, Cl. 137—81.5.
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Katzel, Abraham S. Portable telephone switchboard light. 3,302,011, 1–31–67, Cl. 240—4.
Katzenberger, Ralph H., S. A. McGavern, Jr., and H. S. Gill, to Wallace-Murray Corp. Series compound torsional vibration damper. 3,314,304, 4–18–67, Cl. 74—574.
Katzenmeyer, Edwin B., to B. F. Goodrich Co. Fuel tank. 3,347,406, 10–17–67, Cl. 220—22.
Katzer, Melvin F., to The Dow Chemical Co. Process for stimulating gas wells. 3,305,019, 2–21–67, Cl. 166—45.
Katzer, Melvin F., to Dow Chemical Co. Aqueous gel of water-swellable acrylic polymer and non-ionic filler. 3,354,084, 11–21–67, Cl. 252—2.
Katzer, Melvin F., and R. A. Gierak, to The Dow Chemical Co. Mixing apparatus. 3,338,560, 8–29–67, Cl. 259—4.
Katzew, Charles J., and E. F. Frost, to Brockton Contract Packaging Sales Corp. Method of manufacturing a plastic container. 3,354,603, 11–28–67, Cl. 53—30.
Katzfey, James M., F. R. Amthor, Jr., and R. E. Kanitz, to Hamilton Mfg. Co. Folding table assembly with seating structure. 3,337,262, 8–22–67, Cl. 297—159.
Katzfey, James M., and W. J. Peterson, to Hamilton Mfg. Co. Physician's examining table. 3,348,893, 10–24–67, Cl. 312—209.
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Katzman, Lawrence, and E. Briggin, to Kaz Mfg. Co., Inc. Electrode and heating chamber for vaporizers. 3,319,046, 5–9–67, Cl. 219—275.
Katzman, Lawrence, E. Briggin, A. N. D'Elia, and E. M. Stolarz, to Kaz Mfg. Co., Inc. Hood for steam facial. 3,351,-737, 11–7–67, Cl. 219—271.
Katzschmann, Ewald, to Chemische Werke Witten G.m.b.H. Process for the preparation of α-monochlorohydrin monoesters of carboxylic acids. 3,321,500, 5–23–67, Cl. 260—408.
Katzschmann, Ewald, to Chemische Werke Witten G.m.b.H. Process for the preparation of tere- and isophthalic acid dichloride. 3,341,438, 9–12–67, Cl. 204—158.
Katzschmann, Ewald, to Chemische Werke Witten G.m.b.H. Process for the preparation of monophenyl ethers of glycols. 3,354,227, 11–21–67, Cl. 260—613.
Kauder, Otto S., to Argus Chemical Corp. Polyvinyl chloride resin compositions having increased resistance to heat deterioration. 3,297,629, 1–10–67, Cl. 260—45.75.
Kauder, Otto S., and A. Rosenbaum, to Argus Chemical Corp. Polyolefins stabilized with mixtures comprising a 2-hydroxy, 4-benzyloxy benzophenone, thiodipropionate and metal salt of a monocarboxylic. 3,322,705, 5–30–67, Cl. 260—23.
Kauder, Otto S., and N. L. Perry, to Argus Chemical Corp. PVC resin containing a keto acetic (A) acid ester or (B) anhydride, and a metal (A) phenolate or (B) carboxylic acid salt. 3,346,536, 10–10–67, Cl. 260—45.85.
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Kauffman, Melvin R., to General Electric Co. Rack system for dishwasher. 3,306,693, 2–28–67, Cl. 312—269.
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King, Alan M., to Square Mfg. Co. Infrared oven for heating food in packages. 3,304,406, 2–14–67, Cl. 219—411.
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King, Edward C., and P. J. M. Pardoe-Matthews, to King Packaging Ltd. Vacuum molding machines. 3,348,265, 10–24–67, Cl. 18—19.
King, Edward J., Jr., to King Radio Corp., Inc. High frequency radio receiver. 3,327,222, 6–20–67, Cl. 325—462.
King, Emma W. De-boning knife. 3,333,339, 8–1–67, Cl. 30—299.
King, Francis N., to Grace & Hornbrook Mfg. Co. Ball slide assembly. 3,342,534, 9–19–67, Cl. 308—6.
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King, James D. Puller device for removing brake drums or the like. 3,315,340, 4–25–67, Cl. 29—267.

King, James D., to Plastic Applicators, Inc. Circuit for reproduction of a plurality of similar low-level D.C. signals. 3,331,969, 7–18–67, Cl. 307—88.5.
King, James D., to Southwest Research Institute. Apparatus for ultrasonic inspection. 3,350,924, 11–7–67, Cl. 73—67.9.
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King, James F., Jr. Magnetohydrodynamic propulsion apparatus. 3,322,374, 5–30–67, Cl. 244—62.
King, James F., Jr., and D. A. Sloan, to The Bahnson Co. Automatic bobbin donning apparatus. 3,321,896, 5–30–67, Cl. 57—53.
King, James F., Jr., and A. H. Bahnson, Jr., deceased (by Wachovia Bank and Trust Co., executor), to The Bahnson Co. Rotating eliminator. 3,348,363, 10–24–67, Cl. 55—227.
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King, Kenneth F., to E. I. du Pont de Nemours and Co. Process for chlorosulfonating solid polyethylene. 3,314,-925, 4–18–67, Cl. 260—79.3.
King, Kenneth F., to E. I. du Pont de Nemours and Co. Curable chlorinated polyethylene containing carboxylic ester groups. 3,326,884, 6–20–67, Cl. 260—94.9.
King, Kenneth G., to Westinghouse Brake and Signal Co., Ltd. Control systems for electric motors. 3,331,003, 7–11–67, Cl. 318—231.
King, Kenneth G., and K. M. Watkins, to Westinghouse Brake and Signal Co. Ltd. Power supply circuit arrangements. 3,334,292, 8–1–67, Cl. 321—45.
King, Kenneth K., and D. P. Marquis, to General Motors Corp. Ball spline assembly. 3,304,745, 2–21–67, Cl. 64—23.
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King, Laurence F., and C. T. Steele, to Esso Research and Engineering Co. Process for manufacture of heavy aromatic solvent. 3,324,029, 6–6–67, Cl. 208—97.
King, Lawrence. Wall mounted spray can activator. 3,347,-468, 10–17–67, Cl. 239—274.
King, Leonard H. Apertured display board and hardware therefor. 3,310,271, 3–21–67, Cl. 248—225.
King, Leonard H. Tear-open package. 3,323,707, 6–6–67, Cl. 229—66.
King, Leonard H. High intensity lamp with magnetic suction-cup supporting means. 3,325,639, 6–13–67, Cl. 240—52.15.
King, Leonard H. Pay sound system for closed circuit television in which the audio component is conveyed via carrier current transmission. 3,355,546, 11–28–67, Cl. 178—5.6.
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King, Paul F., to Xerox Corp. Xerographic charging apparatus with adjustable means to terminate the charging cycle when a predetermined charge is obtained. 3,335,275, 8–8–67, Cl. 250—49.5.
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King, Ralph W., to Shell Oil Co. Use of ammonia for iodine recovery in iodinative dehydrogenation process. 3,310,596, 3–21–67, Cl. 260—680.
King, Ralph W., and B. O. Shorthouse, to The International Synthetic Rubber Co. Ltd. Recovery of isoprene from hydrocarbon fractions. 3,301,915, 1–31–67, Cl. 260—681.5.
King, Ralph W., and H. Mondria, to Shell Oil Co. High purity alkadienes by extractive distillation. 3,317,627, 5–2–67 Cl. 260—681.5.
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King, Richard E., ½ each to Northern Natural Gas Co., and W. S. Moore Co. Pressure balancing method. 3,348,941, 10–24–67, Cl. 75—26.
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King, Smith F., to Chicago Pneumatic Tool Co. Valve unit for non-lube air compressors. 3,357,449, 12–12–67, Cl. 137—512.1.
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King, Walter F., III, to Licentia Patent-Verwaltungs-G.m.b.H. Fault sensing device for continuously moving web. 3,357,-241, 12–12–67, Cl. 73—159.
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King, William. Demountable bench. 3,329,465, 7–4–67, Cl. 297—444.
King, William E. Plant support. 3,302,328, 2–7–67, Cl. 47—47.
King, William H., Jr., to Esso Research and Engineering Co. Coated piezoelectric analyzer. 3,329,004, 7–4–67, Cl. 73—23.
King, William H., Jr., and J. A. Wilson, to Esso Research and Engineering Co. Switch apparatus employing coated piezoelectric crystal. 3,343,044, 9–19–67, Cl. 317—146.
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King, William L. Portable hot water washing apparatus. 3,341,081, 9–12–67, Cl. 222—146.
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King, William R. Pipeline pig signalling device. 3,327,677, 6–27–67, Cl. 116—124.
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King, William W., to Meyer Products, Inc. Angling and locking arrangement for vehicular mounted plow attachments. 3,353,287, 11–21–67, Cl. 37—42.

Kingery, William D., and A. Waugh, to Lexington Laboratories, Inc. Process of casting refractory materials. 3,351,688, 11–7–67, Cl. 264—63.
Kinghorn, George F. Method of sub-surface prospecting by generating current impulse between a pair of points on a first line and detecting voltages between points along a line normal to the first line. 3,344,342, 9–26–67, Cl. 324—9.
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Kingma, Wouter G., to Continental Engineering, Ingenieursbureau voor de Procesindustrie N.V. Cylindrical vessel for treating a liquid or a liquid mass with another material in continuous operation. 3,343,815, 9–26–67, Cl. 259—7.
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Kingsbury, Charles M., and E. H. Mills, Jr., to Emhart Corp. Case packing machine and wrap-around method of case packing. 3,323,275, 6–6–67, Cl. 53—32.
Kingsbury, George R., C. H. Junge, W. A. Weinkamer, and R. L. Slater, 3,350,763, 11–7–67, Cl. 29—149.5.
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Ammon, Bruno, and Kingsbury. 3,336,031.
Ammon, Bruno, and Kingsbury. 3,349,198.
Kingsley, George R. Biuret reagent. 3,310,382, 3–21–67, Cl. 23—230.
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Prener, Jerome S., and Kingsley. 3,305,486.
Kingsley, Warren G., to The Bendix Corp. Variable area nozzle. 3,301,492, 1–31–67, Cl. 239—535.
Kingston, Floyd E., to Varian Associates. Gyromagnetic resonance apparatus. 3,329,890, 7–4–67, Cl. 324—.5.
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Senkewich, Alexander M. 3,321,792.
Kingston Products Corp.: *See*—
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Kinkade, Franklin C. Levelling scraper for a trench tractor. 3,309,799, 3–21–67, Cl. 37—80.
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Kinkaid, Robert J., to AMP Inc. Contact terminal. 3,299,396, 1–17–67, Cl. 339—258.
Kinkaid, Robert J., to AMP Inc. Feed-thru connector. 3,346,834, 10–10–67, Cl. 339—217.
Kinkaid, Robert J., to AMP Inc. Electrical connector elements. 3,348,191, 10–17–67, Cl. 339—176.
Kinkaid, Robert J., to AMP Inc. Connector. 3,351,894, 11–7–67, Cl. 339—217.
Kinkaid, Walter A. Process for dispensing merchandise and foods. 3,298,461, 1–17–67, Cl. 186—1.
Kinkead, Glenn L.: *See*—
Couch, Harry J., and Kinkead. 3,343,867.
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Kinkel, Henry F., and E. Radetsky, to Western Electric Co. Inc. Variable thin film electrical component. 3,344,387, 9–26–67, Cl. 338—314.
Kinkel, Klaus, H. Pfannmueller, P. Roder, R.-H. Rotzoll, M. Tittel, F. Urban, and W. Zacher, to Badische Anilin- & Soda-Fabrik Aktiengeselischaft. Polymerization of ethylene under high pressure. 3,317,504, 5–2–67, Cl. 260—94.9.
Kinley, John C. and M. M., and C. E. Anderson; said M. M. Kinley and said Anderson assors. to said J. C. Kinley. Tension jarring tool with tension assembly. 3,360,060, 12–26–67, Cl. 175—299.
Kinley, Myron M.: *See*—
Kinley, John C., Anderson, and Kinley. 3,360,060.
Kinley, Myron M. Flow valves and chokes, and means for installing same. 3,353,607, 11–21–67, Cl. 166—117.5.
Kinn, James D., to National Canvas Products Corp. Collapsible table. 3,318,269, 5–9–67, Cl. 108—112.
Kinn, Marion, ½ to R. Kinn. Compact with illuminated means. 3,300,632, 1–24–67, Cl. 240—6.45.
Kinn, Rose: *See*—
Kinn, Marion. 3,300,632.
Kinnaman, Dwight E. Hairdresser's style notebook. 3,325,917, 6–20–67, Cl. 35—59.
Kinnamon, George C., to Borg-Warner Corp. Pressure loaded pump. 3,296,977, 1–10–67, Cl. 103—126.
Kinnan, Frank R. Cable laying machine. 3,307,363, 3–7–67, Cl. 61—72.6.
Kinnan, Frank R., to Henkels and McCoy, Inc. Power actuated cable feed and tensioning mechanism. 3,343,739, 9–26–67, Cl. 226—187.
Kinnard, Wolcott S. Filter attachment for photoelectric light metering apparatus. 3,360,656, 12–26–67, Cl. 250—226.
Kinnavy, James W., and E. D. Giggard, to Continental Can Co. Corrosion barrier and inhibitor coating and method. 3,313,634, 4–11–67, Cl. 106—14.
Kinnavy, James W., and H. P. Lankelma, Jr., to Continental Can Co., Inc. Friction closures. 3,338,456, 8–29–67, Cl. 220—42.
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Kinnerley, Anthony G., and A. J. Broadhurst, to British Aircraft Corp. (Operating) Ltd. Aircraft. 3,331,570, 7–18–67, Cl. 244—121.
Kinney, Alfred W., to American Can Co. Cup dispensing apparatus. 3,311,260, 3–28–67, Cl. 221—11.
Kinney, David W., to Union Insulating Co., Inc. Molded insulation electrical box. 3,358,866, 12–19–67, Cl. 220—3.9.
Kinney, George A., to E. I. du Pont de Nemours and Co. Process for forming non-woven filamentary structures from fiber-forming synthetic organic polymers. 3,338,992, 8–29–67, Cl. 264—24.
Kinney, George A., to E. I. du Pont de Nemours and Co. Sheets of randomly distributed continuous filaments. 3,341,394, 9–12–67, Cl. 161—72.
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Kinney, Raymond E. Flying wing. 3,309,045, 3–14–67, Cl. 244—153.
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Carr, Hugh B. 3,327,861.
Kinney, Selwyne P., and Carr. 3,348,832.
Kinney, Selwyne P., and H. B. Carr, to S. P. Kinney Engineers, Inc. Automatic stove selection system for blast furnaces. 3,348,832, 10–24–67, Cl. 266—14.
Kinney, Theodore S. Electric heater. 3,302,003, 1–31–67, Cl. 219—550.
Kinney, Thurlow R. Reversible jet pump. 3,338,169, 8–29–67, Cl. 103—94.
Kinoshita, Shosaku, and T. Sunada, to Gisen Sato. Method for producing a perfume by exposure to ionizing radiation. 3,326,786, 6–20–67, Cl. 204—158.
Kinoshita, Shukuo, K. Nakayama, Z. Sato, and H. Tanaka, to Kyowa Hakko Kogyo Co., Ltd. Process for the production of uridylic acid by fermentation. 3,296,088, 1–3–67, Cl. 195—28.
Kinoshita, Shukuo, K. Mizuhara, and T. Suzuki, to Kyowa Hakko Kogyo Co., Ltd. Process of producing D-ribose-5-phosphate and D-ribose through fermentation. 3,303,101, 2–7–67, Cl. 195—31.
Kinoshita, Shukuo, K. Nakayama, T. Nara, Z. Sato, and H. Tanaka, to Kyowa Hakko Kogyo Co., Ltd. Process for producing tri- and diphosphates of adenosine and guanosine by fermentation. 3,313,710, 4–11–67, Cl. 195—28.
Kinoshita, Toshio, H. Kondo, and T. Takahashi, to Hitachi, Ltd. Amplifying means for use with transmission systems with feedback means providing error signal for amplifier. 3,308,383, 3–7–67, Cl. 328—1.
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Tokuhisa, Hiroshi, Ishihara, and Kinoshita. 3,329,605.
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Gabriel, Ralph P., and Kinross. 3,350,647.
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Soan, Brian S., and Waller. 3,355,271.
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Kinsella, Frank V.: *See*—
Kircher, Charles E., Jones, and Kinsella. 3,330,877.
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Kinser, Robert C., to Kinco Corp. Right or left hinged door and door frame assembly. 3,298,135, 1–17–67, Cl. 49—380.
Kinser, Vernon. Swingable horseshoe stake with shock absorbing means. 3,353,828, 11–21–67, Cl. 273—104.
Kinsey, Ernest V. Kite control assembly. 3,355,129, 11–28–67, Cl. 244—155.
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Kinsley, Charles W., to Glass Machinery Inc. Apparatus for forming hollow glassware. 3,329,492, 7–4–67, Cl. 65—223.
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Clark, Eric N., Kintish, and Roach. 3,333,540.
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Kintish, Irving L., to United States of America, Army. Article attaching means. 3,295,810, 1–3–67, Cl. 248—206.
Kintish, Irving L., and T. M. Roach, to United States of America, Army. Ice or frozen earth anchor. 3,304,671, 2–21–67, Cl. 52—155.
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Strand, Sanford M., and Kintner. 3,331,006.
Kintner, Paul M., to Cutter-Hammer, Inc. Single bit reversible shift register responsive to sequenced (transfer and clear) pair of input pulses. 3,305,738, 2–21–67, Cl. 307—88.5.
Kintner, Paul M., and P. J. Tolan, to Cutler-Hammer, Inc. Weighing scale utilizing flexure plate pivots and horizontal damping. 3,354,974, 11–28–67, Cl. 177—229.
Kinyon, William B., and W. M. Wilson, to Helme Products, Inc. Method of preparing colloidal solution of iodine. 3,334,051, 8–1–67, Cl. 252—314.
Kinzelman, Gerald W., to United States of America, Army. Magnetic core logic circuit. 3,339,084, 8–29–67, Cl. 307—88.
Kinzie, James E., J. W. Pross, Jr., R. B. Steves, and A. T. Trostrud, to General Precision, Inc. Input-output system for a digital computer. 3,328,566, 6–27–67, Cl. 235—165.
Kinzie, James E., J. W. Pross, Jr., R. B. Steves, and A. T. Trostrud, to General Precision, Inc. Computer performing serial arithmetic operations having a parallel-type static memory. 3,331,954, 7–18–67, Cl. 235—156.
Kinzie, James E., J. W. Pross, Jr., R. B. Steves, and A. T. Trostrud, to General Precision, Inc. Instruction and operand processing. 3,340,513, 9–5–67, Cl. 340—172.5.
Kinzler, Raymond C., to Koppers Co., Inc. Apparatus for cleaning a basic oxygen furnace converter. 3,335,445, 8–15–67, Cl. 15—93.
Kiouzes-Pezas, Dimitrios. Process for producing spheroidal alkaline earth metal carbonates. 3,304,154, 2–14–67, Cl. 23—66.
Kip, Inc.: *See*—
Hiscock, Earle F. 3,330,668.
Kiper, Gerd: *See*—
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Kremp, Rudolf, and Kiper. 3,314,347.
Kiper, Gerd, to Agfa Aktiengesellschaft. Exposure controls for cameras. 3,302,544, 2–7–67, Cl. 95—60.
Kiper, Gerd, to Agfa Aktiengesellschaft. Camera shutter which also act as diaphragms. 3,335,649, 8–15–67, Cl. 95—Cl. 95—63.
Kiper, Gerd, to Agfa Aktiengesellschaft. Camera shutters which also act as diaphragms. 3,335,649, 8–15–67, Cl. 95—10.
Kiper, Gerd, to Agfa-Gevaert Aktiengesellschaft. Photographic camera. 3,356,004, 12–5–67, Cl. 95—63.
Kiper, Gerd, and G. Fauth, to Agfa Aktiengesellschaft. Between-the-lens shutters. 3,334,563, 8–8–67, Cl. 95—60.
Kipping, Vernon L. Device to mount prints on a base. 3,352,-020, 11–14–67, Cl. 33—174.
Kippur, Perry R., to Olin Mathieson Chemical Corp. Preparation of solid organoboron fuels. 3,316,307, 4–25–67, Cl. 260—606.5.
Kiraly, Ernest. Vacuum cleaner for shoes. 3,341,883, 9–19–67, Cl. 15—310.
Kiraly, Joseph L. Table-lectern. 3,347,184, 10–17–67, Cl. 108—17.
Kiraly, Philip Z., to Van Dorn Co. Injection molding apparatus for plastic materials. 3,319,298, 5–16–67, Cl. 18—30.
Kiraly, Philip Z., to Van Dorn Co. Injection molding nozzle. 3,319,299, 5–16–67, Cl. 18—30.
Kiras, Edmund J., Jr. Hydraulic safety system. 3,343,287, 9–26–67, Cl. 37—129.
Kirby, Charles A., to Allied Building Components, Inc. Adjustable swinging door assembly. 3,313,064, 4–11–67, Cl. 49—388.
Kirby, David C.: *See*—
Dawson, William, and Kirby. 3,303,620.
Kirby, Edward, to United-Carr Inc. Top insertable, releasable and removable contact. 3,352,990, 11–14–67, Cl. 200—166.
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Kirby, John H., II. Jet pipe cutter. 3,331,321, 7–18–67, Cl. 102—20.
Kirby, John H., II. Free point indicator. 3,352,360, 11–14–67, Cl. 166—55.1.
Kirby, Kenneth W., to Penick & Ford, Ltd., Inc. Quaternary ammonium starch ethers and process of preparation. 3,336,-292, 8–15–67, Cl. 260—233.3.
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Kirby, Peter L., to Welwyn Electric Ltd. Electrical resistor with a parallel high voltage protective gap. 3,305,694, 2–21–67, Cl. 315—59.
Kirby, Robert. Adjustable pipe rack. 3,360,256, 12–26–67, Cl. 269—296.
Kirby, Robert A.: *See*—
Lynn, Ralph D., and Kirby. 3,318,145.
Kirby, Robert A., to Esso Production Research Co. Interval velocity well logging system. 3,333,655, 8–1–67, Cl. 181—.5.
Kirby, Robert A., to Esso Production Research Co. Voltage regulator. 3,350,629, 10–31–67, Cl. 323—18.
Kirby, Robert A., and L. K. Shallenberger, to Esso Production Research Co. System for measuring changes in fluid pressure. 3,350,932, 11–7–67, Cl. 73—152.
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Kircher, Charles E., R. J. Jones, and F. V. Kinsella, to Detrex Chemical Industries, Inc. Process for the chlorination of unsaturated hydrocarbons and unsaturated chlorohydrocarbons. 3,330,877, 7–11–67, Cl. 260—660.
Kircher, Morton S., to Hooker Chemical Corp. Brine electrolysis. 3,312,609, 4–4–67, Cl. 204—98.
Kircher, Morton S., to Hooker Chemical Corp. Bipolar electrolytic cell for the production of gases. 3,324,023, 6–6–67, Cl. 204—256.
Kirchhoefer, Martin J., to Pulpamac, Inc. Method and apparatus for continuous gravity feed of fluent materials. 3,315,824, 4–25–67, Cl. 214—17.
Kirchner, Clarence A. Flexible rotary hoe control and carrier. 3,318,389, 5–9–67, Cl. 172—445.
Kirchner, Frederick K., to Sterling Drug Inc. 3,8-di-substituted-3,8-diazabicyclo[3,2.1]octanes. 3,328,396, 6–27–67, Cl. 260—243.
Kirchner, Frederick K., to Sterling Drug Inc. 1-phenyl-4-[2-(2-pyridyl)-ethyl] piperazines. 3,332,949, 7–25–67, Cl. 260—268.
Kirchner, Henry P., to Cornell Aeronautical Laboratory, Inc. Composition of matter containing plutonium dioxide and plutonium phosphate. 3,340,201, 9–5–67, Cl. 252—301.1.
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Woods, Randell C., Engle, Conley, Kirchner, and Rex. 3,305,908.
Kirchof, Fred. Social correspondence card construction. 3,352,-481, 11–14–67, Cl. 229—92.1.
Kirichinsky, Igor I.: *See*—
Kotov, Vladimir A., Shljapin, and Kirichinsky. 3,359,769.
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Barnes, Charles A., Branco, Johnson, and Kirilouckas. 3,326,440.
Branco, Flavio S. C., Johnson, and Kirilouckas. 3,335,-929.
Kirilouckas, Albert C., to Winston Research Corp. Knob assembly for tape recorder. 3,313,561, 4–11–67, Cl. 287—52.07.
Kirin Beer Kabushiki Kaisha: *See*—
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Kiriyama, Shigeru, N. Mabuchi, M. Sakai, M. Yoshida, S. Okamoto, and H. Ikeda. Curing epoxy resins with chelated O-methylol phenolic compounds or resins. 3,298,999, 1–17–67, Cl. 260—47.
Kirk & Blum Mfg. Co., The: *See*—
Carsey, Eugene A. 3,314,098.
Carsey, Eugene A. 3,343,197.
Carsey, Eugene A. 3,353,340.
Fleming, William T. 3,342,023.
Fleming, William T., and McHugh. 3,298,616.
Kirk, David N., V. Petrow, M. Stansfield, and D. M. Williamson, to The British Drug Houses Ltd. Progestational compositions which contain 17αacyloxy - 16 - methylene-4-pregnene-3,20-dione. 3,296,075, 1–3–67, Cl. 167—74.
Kirk, David N., V. Petrow, M. Stansfield, and D. M. Williamson, to The British Drug Houses Ltd. 16-methylene-progesterones and intermediates in the production thereof. 3,296,256, 1–3–67, Cl. 260—239.55.
Kirk, David N., V. Petrow, and D. M. Williamson, to The British Drug Houses Ltd. Process for the preparation of 17α - acyloxy - 6-methyl-16-methylene-4,6-pregnadiene-3,20-diones and intermediates obtained therefrom. 3,332,940, 7–25–67, Cl. 260—239.55.
Kirk, David N., V. Petrow, and D. M. Williamson, to The British Drug Houses Ltd. 17α-acyloxy-6-methylpregna-4,6-diene-3,20-diones and method for preparation of these and related 6-methyl-3-oxo-$\Delta^{4,6}$-steroids. 3,356,573, 12–5–67, Cl. 167—74.
Kirk, Donald G.: *See*—
Schmidt, Robert F., Leidecker, and Kirk. 3,312,992.
Kirk, Douglas, to The Quaker Oats Co. Easy opening bag. 3,341,108, 9–12–67, Cl. 229—66.
Kirk, Harry V., to Cheshire Inc. Machine for applying intelligence to a moving article. 3,341,390, 9–12–67, Cl. 156—511.
Kirk, Joseph R., to Hancock Industries, Inc. Seat slide assembly for automotive vehicles. 3,350,046, 10–31–67, Cl. 248—430.
Kirk, Merritt C., Jr., A. T. Olenzak, H. E. Reif, and W. D. Thomas, to Sun Oil Co. Production of hydrogenated polymer gasoline. 3,309,421, 3–14–67, Cl. 260—683.15.
Kirk, Norbert A. Inertially actuated signal devices. 3,296,-998, 1–10–67, Cl. 116—28.
Kirk Optical Lens Co., Inc.: *See*—
Milner, Edwin E., Jr. 3,302,337.
Kirk, Ralph D. Cutting blade assembly for rotary lawn mowers and the like. 3,320,732, 5–23–67, Cl. 56—295.
Kirk, Ralph D. Rotary lawn mower blade mounting structure. 3,320,733, 5–23–67, Cl. 56—295.
Kirk, Raymond H. Safety cut-off valve. 3,331,389, 7–18–67, Cl. 137—516.11.
Kirk, Robert E.: *See*—
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Kirk, Robert E., and J. R. Lubert, to General Motors Corp. Connector means. 3,310,772, 3–21–67, Cl. 339—217.
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Campbell, Robert D., Sawyer, Ruff, Kirk, Ramey, and Worrell. 3,297,926.
Campbell, Robert W., Sawyer, Ruff, Kirk, Ramey, and Worrell. 3,320,565.
Worrell, William D., and Kirk. 3,332,006.
Kirk, Thomas E., and L. J. Raver, to General Motors Corp. Semiconductor generator voltage regulator system. 3,343,-059. 9–19–67, Cl. 320—39.
Kirk, Walter B., to Westinghouse Air Brake Co. Empty and load brake apparatus. 3,338,640, 8–29–67, Cl. 303—23.
Kirk, Walter B., and F. Temple, to Westinghouse Air Brake Co. Empty and load brake apparatus. 3,338,638, 8–29–67, Cl. 303—22.
Kirk, William A., to Imperial Citrus By-Products, Inc. Citrus seed separator. 3,330,410, 7–11–67, Cl. 209—114.
Kirkaldy, David, to British Nylon Spinners Ltd. Synthetic elastomeric filaments from (A) polyester diols, (B) aliphatic or cycloaliphatic diols and (C) aliphatic or cycloaliphatic diisocyanates. 3,357,954, 12–12–67, Cl. 260—75.
Kirkbride, William W. Power elevator system. 3,351,220, 11–7–67, Cl. 214—75.
Kirkconnell, Thomas W., and R. N. S. Chiang, ⅛ to Vincennes University. Cheat-proof programmed-learning device with motorized lesson sheet controlled by student. 3,308,559, 3–14–67, Cl. 35—9.
Kirkconnell, Thomas W., and C. W. Schuler, ⅛ to Vincennes University. Automatic grading machine. 3,332,157, 7–25–67, Cl. 35—48.
Kirkendall, William D., to Weston Instruments, Inc. Adjustable wire-wound component. 3,327,275, 6–20–67, Cl. 338—195.
Kirkendall, William D., to Weston Instruments, Inc. Potentiometers. 3,358,258, 12–12–67, Cl. 338—183.
Kirkendall, William D., to Weston Instruments, Inc. Potentiometers. 3,358,259, 12–12–67, Cl. 338—183.
Kirkham, Lindsay J. Electrocardiographic switching system. 3,343,528, 9–26–67, Cl. 128—2.06.
Kirkham, Thomas A.: *See*—
Parsi, Edgardo J., Kirkham, and Szczur. 3,325,389.
Kirkhof Mfg. Corp.: *See*—
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Kirkhof, Russel H. 3,315,841.
Kirkhof, Russel H. 3,330,423.
Kirkhof, Russel H., R. T. Hummel, Sr., R. J. Hummel, Jr., and O'Brien. 3,321,888.
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O'Brien, Robert E. 3,321,807.
O'Brien, Robert E., and Markowski. 3,348,748.
O'Brien, Robert E., and Markowski. 3,359,600.
O'Brien, Robert E., and Roth. 3,340,574.
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Kirkhof, Russel H., to Kirkhof Mfg. Corp. Destacker having reciprocating tray discharge means. 3,315,841, 4–25–67, Cl. 221—223.
Kirkhof, Russel H., to Kirkhof Mfg. Corp. Stacking device. 3,330,423, 7–11–67, Cl. 214—6.
Kirkhof, Russel H., R. T. Hummel, Sr., R. J. Hummel, Jr., and R. E. O'Brien, to Kirkhof Mfg. Corp. Plastic bag forming machine 3,321,888, 5–30–67, Cl. 53—186.
Kirkland, Herman R.: *See*—
Early, Hallie O., Schafer, and Kirkland. 3,319,605.
Kirkland, Kenneth D. Toy rubber band projecting gun. 3,297,012. 1–10–67, Cl. 124—18.
Kirkland, William A. Shoe fit indicating device. 3,359,640, 12–26–67, Cl. 33—3.
Kirkland, Wyatt S. Sand blast nozzle. 3,344,558, 10–3–67, Cl. 51—11.
Kirklen, George W. Writing instrument provided with display feature. 3,315,395, 4–25–67, Cl. 40—334.
Kirklen, George W. Writing instrument provided with display feature. 3,343,293, 9–26–67, Cl. 40—334.
Kirkpatrick, Alven D. Printing blanket edging and anchoring means. 3,296,673, 1–10–67, Cl. 24—265.
Kirkpatrick, Edwin C., and C. W. Neely, deceased (by D. F. Neely, executrix), to Ralston Purina Co. Fishbone separator. 3,356,119, 12–5–67, Cl. 146—174.
Kirkpatrick, George B. Angularly disposed, water-cooled skid rails. 3,337,199, 8–22–67, Cl. 266—5.
Kirkpatrick, Glen A.; 12½% each to W. E. Thomson and J. R. Schovee. Seat belt. 3,323,832, 6–6–67, Cl. 297—388.
Kirkpatrick, John E. Combination food cooker and smoker. 3,333,526, 8–1–67, Cl. 99—260.
Kirkpatrick, Leland W.: *See*—
Vironda, Italo D., and Kirkpatrick. 3,311,341.
Kirkpatrick, Max B., to Alkirk, Inc. Earth boring machine. 3,325,218, 6–13–67, Cl. 299—31.
Kirkpatrick, Max B., to Alkirk, Inc. Rotary tunneling machine having resiliently mounted vibrated kerf cutter. 3,343,878, 9–26–67, Cl. 299—31.
Kirkpatrick, Milton E., to TRW Inc. Method of bonding porous tungsten. 3,353,259, 11–21–67, Cl. 29—487.
Kirpatrick, Richard A., to National Co., Inc. Amplifier bias control circuit. 3,328,715, 6–27–67, Cl. 330—135.
Kirkpatrick, Thomas I., to The Regents of the University of California. Magnetic field stabilization. 3,308,349, 3–7–67, Cl. 317—123.
Kirkpatrick, Wylie C., J. W. Harrison, and R. D. Lowry, to W. R. Grace & Co. Fastening process. 3,320,106, 5–16–67, Cl. 156—86.
Kirkstall Forge Engineering Ltd.: *See*—
Wilson, Ronald H. 3,344,715.
Kirlin, Albert D., to Industrial Mfg. Co. Portable hydraulic lift truck. 3,338,586, 8–29–67, Cl. 280—5.3.
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Kirschenbaum, Samuel. Dust mop having replaceable soil collecting element. 3,329,988, 7–11–67, Cl. 15—231.
Kirschnek, Helmut, G. Von Finck, and M. Quaedvlieg, to Farbenfabriken Bayer Aktiengesellschaft. Polyalkylene glycol ethers containing terminal urea groups. 3,324,176, 6–6–67, Cl. 260—553.
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Kirsten, Paul A. Wood cutting machine, particularly excelsior machine. 3,344,828, 10–3–67, Cl. 144—180.
Kirsten, Paul A. Knife disc wood cutting machine. 3,346,027, 10–10–67, Cl. 144—176.
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Kirtland, Howard W., and J. W. Endress, to Carrier Corp. Centrifugal compressor. 3,349,999, 10–31–67, Cl. 230—132.
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Kischio, Werner, to North American Philips Co. Inc. Method of producing or recrystallising boron-phosphide. 3,357,795, 12–12–67, Cl. 23—204.
Kise, Mearl A., and R. H. Ingwall, to Virginia Chemicals & Smelting Co. Method and apparatus for metering liquid. 3,326,424, 6–20–67, Cl. 222—416.
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Kiser, Kenneth M., and R. W. Shade, to General Electric Co. Method for the deposition of an electroconductive transparent indium oxide coating. 3,356,529, 12–5–67, Cl. 117—201.
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Kish, Michael, Jr., to Atlantic Products Corp. Luggage and method of manufacture for luggage. 3,305,052, 2–21–67, Cl. 190—49.
Kish, Michael, Jr., to Atlantic Products Corp. Golf bag cuff. 3,315,719, 4–25–67, Cl. 150—1.5.
Kish, Michael, Jr., to Atlantic Products Corp. Method of sewing a golf bag. 3,349,737, 10–31–67, Cl. 112—262.
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Kiss, Kornel D., to Diamond Alkali Co. Process for preparing linear copolymers containing oxymethylene and units derived from saturated oxazines. 3,304,287, 2–14–67, Cl. 260—67.6.
Kiss, Kornel D., to Diamond Alkali Co. Polymerization of trioxane and norbornadiene. 3,355,432, 11–28–67, Cl. 260—73.
Kiss, Kornel D., and C. L. Sturm, to Diamond Alkali Co. Process for preparing copolymers of formaldehyde and N, N′-methylenebisacrylamide and resulting product. 3,336,263, 8–15–67, Cl. 260—72.
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Kissa, Erik, to E. I. du Pont de Nemours and Co. Stabilized fiber-reactive dyes. 3,313,797, 4–11–67, Cl. 260—146.
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Kistler, James F., to Hewlett-Packard Co. Amplifier having polarity insensitive output voltage. 3,348,159, 10–17–67, Cl. 330—13.
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Kistler, Walter P., to Kistler Instrument Corp. Accelerometer. 3,351,787, 11–7–67, Cl. 310—8.4.
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Kitabayashi, Seiichi. Fill valve for liquified gas lighter. 3,319,670, 5–16–67, Cl. 141—286.
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Kitami, Moriaki. Overheat-protecting device. 3,303,391, 2–7–67, Cl. 317—41.
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Kitchen, Elwyn L., T. Lee, and W. E. Rise, to General Motors Corp. Predetermined torque plus tension applying device. 3,344,865, 10–3–67, Cl. 173—12.
Kitchen, Frederick G., to The Metal Box Co. Ltd. Cans. 3,329,-302, 7–4–67, Cl. 220—42.
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Kitrosser, Samuel, to Avant Inc. Identification card camera. 3,345,924, 10–10–67, Cl. 95—1.1.
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Kitselman, Harry L., to General Cable Corp. Wire coiling apparatus. 3,331,566, 7–18–67, Cl. 242—83.
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Kittel, Gunther, to Alex Neher A.G. Metallwaren & Werkzeugfabrik. Snap-action electrical switch. 3,310,644, 3–21–67, Cl. 200—67.
Kittel, Walter, to Counter Current Operations G.m.b.H. Gas-liquid contact column apparatus. 3,338,566, 8–29–67, Cl. 261—113.
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Kitz, Norbert, J. G. Lloyd, and J. J. Drage, to Bell Punch Co. Ltd. Portable decimal calculating machine including pulse operated counting devices. 3,296,425, 1–3–67, Cl. 235—160.
Kitz, Norbert, J. G. Lloyd, and H. L. Mansford, to Bell Punch Co. Ltd. Calculating machine using pulse actuated counters. 3,353,008, 11–14–67, Cl. 235—160.
Kitzen, Maurice R., to Selas Corp. of America. High severity pyrolysis apparatus. 3,353,920, 11–21–67, Cl. 23—277.
Kitzke, Eugene D., and P. J. Neumiller, to S. C. Johnson & Sons, Inc. Enhancing growth rate of plants with poly-alkoxylated derivatives of ricinoleic acid triglycerides. 3,312,542, 4–4–67, Cl. 71—2.7.
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Kiwak, Robert S., to The Bendix Corp. Composite article of bonded refractory metal and a ceramic. 3,340,026, 9–5–67, Cl. 29—195.
Kiwala, Edward J. Shoe attached weapon. 3,346,971, 10–17–67, Cl. 36—2.5.
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Kjos, Magne J., to Burroughs Corp. Tape transport apparatus. 3,341,140, 9–12–67, Cl. 242—55.12.
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Klimstra, Paul D., to G. D. Searle & Co. 17-oxygenated-5-androstane-2,3-episulfides. 3,301,850, 1–31–67, Cl. 260—239.5.

Klimstra, Paul D., to G. D. Searle & Co. 2/3-oxygenated-2/3-thiocyanato-5-androstan-17-ones and derivatives thereof. 3,301,876, 1–31–67, Cl. 260—397.3.

Klimstra, Paul D., to G. D. Searle & Co. (Optionally 17-alkylated) - 17β - hydroxy - 5A-androstano[2,3-D]-2-aminopyrimidines and acyl derivatives thereof. 3,318,872, 5–9–67, Cl. 260—239.5.

Klimstra, Paul D., to G. D. Searle & Co. 17β-(substituted-oxy)-5α-androst-2-enes. 3,326,903, 6–20–67, Cl. 260—239.55.

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Klimstra, Paul D., to G. D. Searle & Co. (Optionally 17-alkylated) 3α-oxygenated 1-sulfonated 5α-androstan-17β-ols and esters thereof. 3,338,927, 8–29–67, Cl. 260—397.4.

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Klimstra, Paul M., to G. D. Searle & Co. 17β-(substituted-oxy)-3-oxygenated-5α-androst-1-enes. 3,352,853, 11–14–67, Cl. 260—239.55.

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Kluttz, Walter A. 3,302,382.
Kluttz, Walter A. 3,304,707.
Kluttz, Walter A. 3,324,643.
Kluttz, Walter A., to Kluttz Machine & Foundry Co. Lubrication apparatus for spinning or twisting ring assemblies. 3,302,382, 2–7–67, Cl. 57—120.
Kluttz, Walter A., to Kluttz Machine & Foundry Co. Spinning or twisting ring assembly. 3,304,707, 2–21–67, Cl. 57—120.
Kluttz, Walter A., to Kluttz Machine & Foundry Co., a partnership composed of Jo Ann, Jean, J. W., and W. A. Kluttz. Airborne spinning or twisting ring and traveler. 3,324,643, 6–13–67, Cl. 57—124.
Kluver, Johan W., to Bell Telephone Laboratories, Inc. Low noise laser amplifier with plural sections respectively between confocally spaced focusers with screens. 3,302,120, 1–31–67, Cl. 330—4.3.
Kluver, Johan W., to Bell Telephone Laboratories, Inc. Electron beam device. 3,316,439, 4–25–67, Cl. 315—3.5.
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Knaapi, Risto J. Rapid hitch device for connecting implement to tractor. 3,312,478, 4–4–67, Cl. 280—405.
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Knabusch, Edward M., and E. J. Shoemaker, to La-Z-Boy Chair Co. Adjustable leg rest locking device. 3,325,210, 6–13–67, Cl. 297—269.
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Knapp, George P., and W. E. Dean, to Mount Hope Machinery Co. Selvage uncurler and method of uncurling selvages of webs. 3,324,525, 6–13–67, Cl. 26—54.
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Knapp, Richard P., and C. E. Kolodzey, to Esso Production Research Co. Connection of underwater wells. 3,327,780, 6–27–67, Cl. 66—.5.
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Sennewald, Kurt, Vogt, Ohorodnik, and Vierling. 3,324,-166.
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Muller-Schiedmayer, Gunther, Harnisch, and Cremer. 3,333,029.
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Knapton, Arthur G., and M. P. Reece, to Associated Electrical Industries Ltd. Contact structure for an electric vacuum switch. 3,348,012, 10–17–67, Cl. 200—166.
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Knauer, Hans-Ulrich, and A. Konold, to International Standard Electric Corp. Frequency modulated telephone ringing system. 3,342,948, 9–19–67, Cl. 179—84.
Knauer, Hans-Ulrich, and J. Matthieu, to International Standard Electric Corp. Ringing current converting circuit. 3,349,-185, 10–24–67, Cl. 179—16.
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Knauth, Walter T. Diminishing rate battery charger. 3,296,515, 1–3–67, Cl. 320—24.
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Knecht, Albert T., Jr., to Sinclair Research, Inc. Antifoamer by hydrocarbon oils. 3,296,131, 1–3–67, Cl. 252—35.
Knecht, Cyrus I., Sr., to Daniels Plating Barrel & Supply Co. Plating apparatus with removable barrel. 3,328,278, 6–27–67, Cl. 204—213.
Knecht, Floyd E. Means for handling a spare tire and wheel of a motor vehicle. 3,330,431, 7–11–67, Cl. 214—454.
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Knecht, John E., to Bathurst Paper Ltd. Means and method for stacking sheets of paperboard or carboard. 3,297,318, 1–10–67, Cl. 271—68.
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Knelling, John G., to Devenco Inc. Six-wheel truck with brake means for railway cars. 3,319,582, 5–16–67, Cl. 105—196.
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Kneip, George D., Jr., to National Research Corp. Electrical materials and devices. 3,314,786, 4–18–67, Cl. 75—174.

Kneip, George D., Jr., to National Research Corp. Method of producing Nb-Zr wire by double vacuum melting and heat-treating. 3,345,739, 10–10–67, Cl. 29—528.
Kneip, George D., Jr., and W. F. Spain, to National Research Corp. Metallurgy. 3,299,687, 1–24–67, Cl. 72—278.
Kneip, George D., Jr., and R. O. Turnbaugh, to National Research Corp. Method of electroplating copper on niobium-zirconium alloy superconductors for stabilization. 3,328,271, 6–27–67, Cl. 204—32.
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Knepper, Larimer J., to Sperry Rand Corp. Mower cutterbar lock. 3,323,294, 6–6–67, Cl. 56—25.
Knepper, Udo, to Dornier System G.m.b.H. Method and apparatus for determining the accuracy of projectiles fired at a target. 3,324,468, 6–6–67, Cl. 343—12.
Knepper, Udo, to Dornier Systems G.m.b.H. Method and apparatus for determining the accuracy of projectiles fired at a target. 3,333,264, 7–25–67, Cl. 343—12.
Knerr, Carl J., to Borg-Warner Corp. Control arrangement for a household appliance. 3,296,465, 1–3–67, Cl. 307—141.
Knerr, Richard P., and R. L. Gillespie, to Wham-O Mfg. Co. Bubble maker. 3,295,248, 1–3–66, Cl. 46—6.
Knestele, Leopold. Device for floor-treatment. 3,335,448, 8–15–67, Cl. 15—504.
Knetzer, LeRoy C., ½ to R. E. Breidenthal. Inflatable structure. 3,332,176, 7–25–67, Cl. 52—2.
Knez, August J. Rear-alerting signal for automotive vehicles. 3,305,829, 2–21–67, Cl. 340—72.
Knibb, Leroy H. Apparatus and system for dispensing hair preparations. 3,322,349, 5–30–67, Cl. 239—135.
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Knickelmann, Franz-Josef, and H. Hoerter. Joint for well drilling apparatus. 3,355,188, 11–28–67, Cl. 285—13.
Kniebes, Duane V., to Institute of Gas Technology. Gas control mechanism. 3,330,133, 7–11–67, Cl. 67—119.
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Kniel, Ludwig, to The Lummus Co. Process for the separation of normally gaseous hydrocarbon mixtures. 3,313,724, 4–11–67, Cl. 208—340.
Kniel, Ludwig, to The Lummus Co. Liquefaction of natural gas by cascade refrigeration and multiple expansion. 3,342,-037, 9–19–67, Cl. 62—23.
Knieriem, Herman, Jr., to The Dow Chemical Co. Filter apparatus. 3,337,052, 8–22–67, Cl. 210—177.
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Knight, Alan C., to E. I. du Pont de Nemours and Co. Method of forming a laminar tank. 3,340,126, 9–5–67, Cl. 156—281.
Knight, Charlotte S. Canteen with disposable filter cartridge. 3,335,917, 8–15–67, Cl. 222—189.
Knight, Deral D., to Byron Jackson, Inc. Treatment of wells. 3,353,603, 11–21–67, Cl. 166—42.
Knight, Douglas E. Fishing lure. 3,336,692, 8–22–67, Cl. 43—42.33.
Knight, Elwin T. Infinitely variable holder for flexible knives, markers or guides. 3,352,187, 11–14–67, Cl. 83—657.
Knight, Erwin C., to McGraw-Edison Co. Electric tree pruning saw. 3,340,612, 9–12–67, Cl. 30—166.
Knight, Francis E., B. F. Meyers, and E. B. Dickison, deceased; (by E. V. Dickison, administratrix), to Western Electric Co., Inc. Article assembling apparatus. 3,300,-845, 1–31–67, Cl. 29—206.
Knight, Francis J., to Johnson & Johnson. Container with closure and dispensing cap. 3,342,385, 9–19–67, Cl. 222—485.
Knight, Francis J., F. A. Mina, and W. H. Steinberg, to Johnson & Johnson. Shielded aerosol medicament dispenser. 3,306,252, 2–28–67, Cl. 118—3.
Knight, Francis M. Safety seat belt. 3,316,017, 4–25–67, Cl. 297—385.
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Knight, J. B., Co., Inc., The: *See*—
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Purtell, Rufus J. 3,344,991.
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Knight, Lester B., J. H. Bertrand, and J. E. Fialkowski, to Lester B. Knight & Associates, Inc. Charging bucket assembly for charging crucibles or the like. 3,329,288, 7–4–67, Cl. 214—35.
Knight, Lester B., & Associates, Inc.: *See*—
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Knight, Lester B., Bertrand, and Fialkowski. 3,329,288.
Knight, Lew G. Buckling device and method. 3,296,672, 1–10–67, Cl. 24—193.
Knight, Lindsay C. Remote target controlling apparatus with hit counting telemetry. 3,323,800, 6–6–67, Cl. 273—102.2.
Knight, Noble A., to West Virginia Pulp and Paper Co. Cartons for potted plants and flowers. 3,342,329, 9–19–67, Cl. 206—65.
Knight, Richard E., and H. E. Martin, to H. H. Robertson Co. Liner sheet and side joints therefor. 3,324,617, 6–13–67, Cl. 52—481.
Knight, Robert D., to International Business Machines Corp. Nuclear battery. 3,344,289, 9–26–67, Cl. 310—3.
Knight, Robert F., and H. J. Smith, to Dzus Fastener Co. Inc. Fastener and retainer assembly. 3,327,363, 6–27–67, Cl. 24—221.
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Knight, Ronald G., and M. C. Branch, to International Standard Electric Corp. Automatic telecommunication exchanges. 3,300,587, 1–24–67, Cl. 179—18.
Knight, William H., to Panel-Lift Door Corp. Door structure. 3,313,338, 4–11–67, Cl. 160—189.
Knighton, James B., W. Knoch, and R. K. Steunenberg, to United States of America, Atomic Energy Commission. Process for separating plutonium from uranium. 3,326,673, 6–20–67, Cl. 75—84.1.
Knipe, William T.: *See*—
Gillen, Raymond D., Knipe, McAdam, and Polster. 3,349,-408.
Knipe, William W., and C. J. Mackley, to Pennsalt Chemicals Corp. Process for the preparation of chlorodifluoroamine. 3,314,770, 4–18–67, Cl. 23—356.
Knipp, Ulrich, A. Awater, W. Oetke, E. Weinbrenner, and H. Schonzeler, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethane polymers. 3,312,666, 4–4–67, Cl. 260—75.
Knipper, Francis E. Window frame construction. 3,328,930, 7–4–67, Cl. 52—204.
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Knipschild, Fred F. Apparatus for drying fruit and vegetables and other products. 3,309,788, 3–21–67, Cl. 34—191.
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Knittel, Richard R., and W. H. Smarook, to Union Carbide Corp. Fluid storage mixing and dispensing containers. 3,337,039, 8–22–67, Cl. 206—47.
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Knizia, Klaus, to L. & C. Steinmuller G.m.b.H. Steam producer with radiation flue. 3,359,948, 12–26–67, Cl. 122—235.
Knobel, Fritz. Starter for low voltage fluorescent lamps. 3,333,075, 7–25–67, Cl. 200—113.5.
Knobel, Max. Apparatus for gaging wide sheet-form work. Re. 26,206, 5–23–67, Cl. 73—37.5.
Knobloch, Fred W., and W. O. Statton, to E. I. du Pont de Nemours and Co. Fibers of modified polypivalolactone. 3,299,171, 1–17–67, Cl. 260—857.
Knoch, Werner: *See*—
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Knochel, Frederick L.: *See*—
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Strasser, Joseph P., Hatch, and Knochel. 3,332,797.
Knochel, William J., and R. W. Wollentin, to Westinghouse Electric Corp. Method of manufacturing electroluminescent lamps. 3,341,915, 9–19–67, Cl. 29—25.11.
Knochenhauer, Friedrich, and S. Apitz, to International Standard Electric Corp. Means for automatically stopping sound reproduction. 3,320,492, 5–16–67, Cl. 317—147.
Knochenhauer, Friedrich, and G. Loffler, to International Standard Electric Corp. Circuit arrangement for switching the amplifier in tape recorders and dictating machines. 3,360,615, 12–26–67, Cl. 179—100.2.

Knock, Frances E., to E. R. Squibb & Sons, Inc. N-substituted maleimide compounds. 3,337,583, 8–22–67, Cl. 260—326.3.
Knock, Frances E., to E. R. Squibb & Sons, Inc. N-substituted maleimide compounds. 3,337,584, 8–22–67, Cl. 260—326.3.
Knock, Frances E., to E. R. Squibb & Sons, Inc. Sulfonamide derivatives. 3,337,592, 8–22–67, Cl. 260—397.7.
Knode, Oliver M., Jr., and E. M. Stark, to Emhart Corp. Shotgun gauge adapter. 3,339,304, 9–5–67, Cl. 42—77.
Knodt, Ruediger W., and C. R. Schrankel, to Corning Glass Works. Invertible drip coffee maker. 3,336,857, 8–22–67, Cl. 99—296.
Knoedler, Fred E. Revolving base for pool table. 3,353,777, 11–21–67, Cl. 248—188.2.
Knoepfler, Nestor B., H. K. Gardner, Jr., and H. L. E. Vix, to United States of America, Agriculture. Method of producing contour molded cotton batting. 3,350,486, 10–31–67, Cl. 264—112.
Knohl, Friedrich K., to Illinois Tool Works, Inc. Screw. 3,313,197, 4–11–67, Cl. 85—9.
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Knoll, Max H. Device for the excitation of nerve networks. 3,320,947, 5–23–67, Cl. 128—2.1.
Knolle, Ernst G. Articulated train systems. 3,320,903, 5–23–67, Cl. 104—20.
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O'Rourke, William P. 3,313,755.
Knop, Charles M., M. Ross, and R. B. Hankin, to HLF Corp. Apparatus for measuring plasma parameters about a vehicle. 3,317,826, 5–2–67, Cl. 324—58.
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Rodwick, Frank P. 3,310,692.
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Knorr, Gustave A., Jr., and H. W. Claypool, to Westinghouse Electric Corp. Television receiver utilizing the horizontal output transformer as a pilot light power source. 3,339,-019, 8–29–67, Cl. 178—7.3.
Knosp, Robert N., to The Fosdick Machine Tool Co. Variable spindle speed transmission system. 3,303,725, 2–14–67, Cl. 74—740.
Knosp, Robert N., to The Fosdick Machine Tool Co. Automatic tool changing apparatus for machine tools. 3,339,273, 9–5–67, Cl. 29—568.
Knoth, Walter H., Jr., to E. I. du Pont de Nemours and Co. Neutral and singly charged derivatives of decarboranes and decaborates. 3,296,260, 1–3–67, Cl. 260—247.
Knoth, Walter H., Jr., to E. I. du Pont de Nemours and Co. Derivatives of polyhedral dodecarboranes. 3,328,422, 6–27–67, Cl. 260—326.5.
Knoth, Walter H., Jr., and N. E. Miller, to E. I. du Pont de Nemours and Co. Salts of certain polyhedral polyborates and their preparation. 3,334,136, 8–1–67, Cl. 260—534.
Knoth, Walter H., Jr., and R. H. Michel, to E. I. du Pont de Nemours and Co. Polymers of polyhedral boron compounds. 3,354,121, 11–21–67, Cl. 260—47.
Knott, James M., to Coatings Engineering Corp. Ear piece. 3,303,902, 2–14–67, Cl. 181—23.
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Knowles, Alvis R., and V. Lovicz, to Eldon Industries, Inc. Method of making a heating element. 3,357,098, 12–12–67, Cl. 29—614.
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McCoy, Frederic C., Eckert, and Knowles. 3,305,330.
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Knowles, Edwin C., F. C. McCoy, and H. V. Rees, to Texaco Inc. Method of preparing finely-divided asphaltic material. 3,305,474, 2–21–67, Cl. 208—39.
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Knowles, Edwin C., F. C. McCoy, and N. R. Odell, to Texaco Inc. Stable agricultural suspension. 3,328,238, 6–27–67, Cl. 167—16.
Knowles, Edwin C., and F. C. McCoy, to Texaco, Inc. Heating composition. 3,338,691, 8–29–67, Cl. 44—40.
Knowles, Edwin C., G. W. Eckert, and F. C. McCoy, to Texaco Inc. Amine-boron-phosphorus-containing adducts. 3,358,029, 12–12–67, Cl. 260—583.
Knowles, Elmer E., and E. L. Garvin, to SKF Industries, Inc. Cage for rolling bearings. 3,295,899, 1–3–67, Cl. 308—217.
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Hutson, Colin, and Knowles. 3,336,787.
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Knowlton, Gerald N., ⅔ to S. O. Broyde. Carrier for living beings. 3,316,565, 5–2–67, Cl. 5—97.
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Knox, Granville S., and M. D. MacArthur, to Hydril Co. Deep well casing joint. 3,359,013, 12–19–67, Cl. 285—13.
Knox, James J., to Knox Laboratories, Inc. Method of shrinking glass tubing. 3,332,764, 7–25–67, Cl. 65—109.
Knox, John A., to Halliburton Co. Well acidizing method. 3,319,714, 5–16–67, Cl. 166—42.
Knox, John A., and F. H. Adcock, Jr., to Halliburton Co. Well treating method using relatively high fluid loss treating liquids. 3,323,595, 6–6–67, Cl. 166—42.
Knox, John A., and W. R. Dill, to Halliburton Co. Method of retarding reaction of acid on limestone. 3,343,602, 9–26–67, Cl. 166—42.
Knox, John A., and W. E. Billings, to Halliburton Co. Method of removing phosphate scale. 3,360,399, 12–26–67, Cl. 134—3.
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Knox, William W., to Mag-Nif, Inc. Ribbon dispenser. 3,310,-167, 3–21–67, Cl. 206—52.
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McMurry, Everett D., and Abercrombie. 3,342,202.
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Knudsen, Irving E., and N. M. Levitz, to United States of America, Atomic Energy Commission. Oxidation-reduction procedure for particle-size reduction of UO_2. 3,343,926, 9–26–67, Cl. 23—355.
Knudsen, Kirkkejner O. Superimposed building blocks with vertically spaced flat bars interfitted therewith connected by threaded stud members. 3,296,758, 1–10–67, Cl. 52—227.
Knudsen, Patrick. Flexible vehicle seat mount. 3,325,137, 6–13–67, Cl. 248—424.
Knudsen, Poul A., to F. L. Smidth & Co. Crushing and grinding plant. 3,329,353, 7–4–67, Cl. 241—43.
Knudsen, Raymond G., R. E. Badger, and R. R. Zuzinec, to Snap-On Tools Corp. Tubular wall ridge removing and expanding devices of the portable type. 3,347,075, 10–17–67, Cl. 72—111.
Knudsen, Raymond G., and G. E. Olson, to Snap-On Tools Corp. Pre-set adjustable torque wrenches. 3,355,970, 12–5–67, Cl. 81—52.4.
Knudson, Charles B., to Seal Craft Corp. Packing construction. 3,342,500, 9–19–67, Cl. 277—125.
Knudson, Glenn C. Hydraulic plow bottom trip device. 3,349,-855, 10–31–67, Cl. 172—261.
Knudson, Robert F., E. R. Long, and L. G. Tramontana, to McGraw-Edison Co. Baseboard heater. 3,317,707, 5–2–67, Cl. 219—367.
Knudson, Robert F., H. N. Minick, and K. J. Hoag, to McGraw-Edison Co. Humidifier. 3,322,405, 5–30–67, Cl. 261—27.
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Knuppel, Helmut, and K. Brotzmann, to Dortmund-Horder Hutten-union Aktiengesellschaft. Vacuum chambers for degasifying metal melts. 3,314,669, 4–18–67, Cl. 266—34.
Knus, Jean A., to Alos AG. Projection apparatus or system provided with concave reflector. 3,302,515, 2–7–67, Cl. 88—24.
Knusli, Enrico, and H. Gysin, to J. R. Geigy A.G. Method for controlling annual weeds in tomato fields. 3,306,725, 2–28–67, Cl. 71—2.5.
Knusli, Enrico, and A. G. Weiss, to H. A. Whitten & Co. Pesticidal compositions containing thiocyano-phenylisothiocyanates. 3,308,017, 3–7–67, Cl. 167—30.
Knüsli, Enrico, and H. Gysin, to J. R. Geigy A.G. Herbicidal 2-methylthio-s-triazines. 3,326,914, 6–20–67, Cl. 260—249.8.
Knusli, Enrico, and H. Gysin, to J. R. Geigy A.-G. Herbicidal compositions containing 2-methylthio-4-(γ-methoxy-propylamino)-6-isopropylamino-S-triazine. 3,347,657, 10–17–67, Cl. 71—93.
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Knuth, Carl, to Brunswick Corp. Two-cycle internal combustion engine. 3,351,045, 11–7–67, Cl. 123—52.
Knuth, Eldon L., and S. F. Iacobellis, to The Regents of the University of California. Radial-flow molecular pump. 3,322,334, 5–30–67, Cl. 230—131.
Knutsen, Herbert K., and M. D. Kinghorn, to Union Tank Car Co. Method of constructing storage tanks. 3,319,329, 5–16–67, Cl. 29—428.
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Knutson, Kermit B. Label dispensers. 3,339,797, 9–5–67, Cl. 221—73.
Knutson, Lester A. and J. A. Motor mount. 3,331,492, 7–18–67, Cl. 198—208.
Knutson, Robert C., to Rosemount Engineering Co. Method of applying electrical contacts. 3,348,299, 10–24–67, Cl. 29—578.
Knutsson, Knut E. S. to Fosfatbolaget A.B. Novel resin and method for producing same. 3,321,551, 5–23–67, Cl. 260—840.
Ko, Wen H., to Conoflow Corp. Digital actuator including feedback representation of the stepper motor winding energization state. 3,304,480, 2–14–67, Cl. 318—138.
Ko, Yasuo, to Kokusai Denki Kabushiki Kaisha. Electromechanical filter for low frequencies. 3,354,413, 11–21–67, Cl. 333—72.
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Kobayashi, Hiroshi, and S. Ohteru. Frequency multiplier with parallel ferro-resonance circuits. 3,349,317, 10–24–67, Cl. 321—68.
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Kobayashi, Iwao. Golf ball warmer. 3,351,330, 11–7–67, Cl. 263—5.
Kobayashi, Kanjiro, S. Iino, and H. Ohta, to Nihon Surfactant Industries Co., Ltd. Diesters of ascorbic acid and process for producing the same. 3,318,914, 5–9–67, Cl. 260—343.7.
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Kobayashi, Masaaki, and Y. Matsumoto, to Nitto Boseki Co., Ltd. Apparatus for automatically joining the ends of slivers. 3,315,321, 4–25–67, Cl. 19—157.
Kobayashi, Masaru, to Kabushiki Kaisha Hilachi Seisakusho. Control system for material reducing apparatus. 3,312,-091, 4–4–67, Cl. 72—11.
Kobayashi, Shinjiro, to Maruman Co., Ltd. Flexible band for a wrist watch. 3,324,648, 6–13–67, Cl. 59—79.
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Kobayashi, Tadahiro, to Asahi Kasei Kogyo Kabushiki Kaisha. Inhibition of polymerization of monomeric compounds containing vinyl groups. 3,344,144, 9–26–67, Cl. 260—290.
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Kobayashi, Tsuneo, Y. Kanzaki, K. Yoshimura, and Y. Yamamoto, to Matsushita Electric Industrial Co. Ltd. Miniature synchronous motor. 3,333,128, 7–25–67, Cl. 310—164.
Kobayashi, Wagi, to Asahi Kabon Kabushiki Kaisha. Process for manufacturing carbon black. 3,333,928, 8–1–67, Cl. 23—209.6.
Kobayashi, Yasushi. Selvage braiding means for a shuttleless loom. 3,320,978, 5–23–67, Cl. 139—54.
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Kobelt, Jack R. Single lever marine engine control unit. 3,330,-390, 7–11–67, Cl. 192—.096.
Kobelt, Walter, to Adolph Saurer Ltd. Device for the attendance of an embroidery machine. 3,338,195, 8–29–67, Cl. 112—83.
Kober, Ehrenfried H., H. F. Lederle, and G. F. Ottmann, to Olin Mathieson Chemical Corp. Preparation of polyfluoroalkyl phosphonitrilates. 3,304,350, 2–14–67, Cl. 260—973.
Kober, Ehrenfried H., and H. F. Lederle, to Olin Mathieson Chemical Corp. Derivatives of chloromethylated diphenyl ethers. 3,354,226, 11–21–67, Cl. 260—613.
Kober, Frederick P., to General Telephone and Electronics Laboratories, Inc. Method of making electric battery electrodes. 3,335,033, 8–8–67, Cl. 136—29.
Kober, William, to The Garrett Corp. Alternating current generator. 3,310,695, 3–21–67, Cl. 310—156.
Kober, William, to The Garrett Corp. Axial air gap dynamoelectric machine with a disc rotor. 3,320,453, 5–16–67, Cl. 310—268.
Kober, William, to The Garrett Corp. Alternating current generator. 3,320,454, 5–16–67, Cl. 310—268.
Kober, William, to The Garrett Corp. Dynamoelectric machine. 3,324,321, 6–6–67, Cl. 310—156.
Kober, William, to The Garrett Corp. Dynamoelectric machine. 3,334,254, 8–1–67, Cl. 310—156.
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Kobetz, Paul, and F. M. Beaird, to Ethyl Corp. Catalyst for manufacture of tetramethyllead. 3,322,685, 5–30–67, Cl. 252—429.
Kobetz, Paul, and W. H. Thomas, to Ethyl Corp. Electrolytic preparation of vinyllead compounds. 3,344,048, 9–26–67, Cl. 204—59.
Kobetz, Paul, and F. M. Beaird, Jr., to Ethyl Corp. Co-catalyst compositions for the preparation of tetramethyllead. 3,357,928, 12–12–67, Cl. 252—429.
Kobick, David G. Packaging machine. 3,352,087, 11–14–67, Cl. 53—389.
Kobler, Paul. Massage device. 3,359,588, 12–26–67, Cl. 15—110.
Kobler, Richard, B. N. Whitlock, W. Babaoff, and J. Peterpaul, to McGraw-Edison Co. Teaching machine card. 3,343,277, 9–26–67, Cl. 35—6.
Kobler, Victor and W. Hair clippers having a swingable, reciprocable cutter blade. 3,314,149, 4–18–67, Cl. 30—222.
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Koblitz, Frank F., and R. G. Petrella, to Pennsalt Chemicals Corp. Vinylidene fluoride polymer dispersions. 3,324,069, 6–6–67, Cl. 260—31.4.
Kobold, Patrick J., and R. M. Thomas, to Honeywell Inc. Angular position indicators. 3,351,952, 11–7–67, Cl. 340—187.
Kobori, Yasusaburo. Safety devices for vehicles. 3,336,045, 8–15–67, Cl. 280—150.
Kobrehel, Peter M., to General Motors Corp. Molding retainer clip. 3,353,229, 11–21–67, Cl. 24—73.
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Koch, Bernhard R., to Grob & Co. AG. Corner connection on a heddle frame. 3,335,759, 8–15–67, Cl. 139—91.
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Koetters, Ronald A. Method and apparatus for disintegrating concrete and like materials. 3,344,995, 10–3–67, Cl. 241—1.
Koff, Bernard L., and J. C. Burge, to General Electric Co. Stator casing. 3,303,998, 2–14–67, Cl. 230—133.
Koff, Fred W.: *See*—
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Kofink, Siegfried, to J. Eberspacher. Electromagnetic pump. 3,302,582, 2–7–67, Cl. 103—53.
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Kofink, Siegfried, to J. Eberspacher. Combustion device with pre-combustion chamber. 3,320,997, 5–23–67, Cl. 158—28.
Kofoid, Melvin J., to The Boeing Co. Apparatus for effecting the transmission of electromagnetic energy through a dense plasma. 3,310,807, 3–21–67, Cl. 343—787.
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Kogan, Abraham. Multiple flash evaporator-condenser. 3,337,419, 8–22–67, Cl. 202—173.
Kogan, Mark N., and S. N. Kibirev. Device for grinding a group of lens-like quartz resonators. 3,321,868, 5–30–67, Cl. 51—129.
Kögel, Wilhelm G., to Aktiebolaget Electrolux. Absorption refrigeration system of the inert gas type. 3,338,062, 8–29–67, Cl. 62—141.
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Kohashi, Tadao, to Matsushita Electric Industrial Co., Ltd. Wavelength converting type radiant energy responsive display device. 3,348,056, 10–17–67, Cl. 250—213.
Kohaut, Hans, and H. Wittel, to Siemens-Schuckertwerke Aktiengesellschaft. Seeding device for a magnetohydrodynamic generator. 3,359,436, 12–19–67, Cl. 310—11.
Kohl, Douglas A., to Litton Systems, Inc. Process and apparatus for collimated sign. 3,309,665, 3–14–67, Cl. 340—120.
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Meier, Alfred, Kohl, and Rossmann. 3,349,672.
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Kohl, Eberhard, and R. Maier. Piston for internal combustion engines. 3,319,536, 5–16–67, Cl. 92—231.
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Kohler, Dale M., to Armco Steel Corp. Production of oriented silicon-iron using grain growth inhibitor during primary recrystallization heat treatment. 3,333,992, 8–1–67, Cl. 148—113.
Kohler, Dale M., to Armco Steel Corp. Production of thin, oriented silicon-iron wherein grain growth inhibitor is added to primary recrystallization heat treatment atmosphere as function of Mn content and final thickness. 3,333,993, 8–1–67, Cl. 148—113.
Kohler, Fred, and W. C. Rudd, to Polyelectric Corp. Plastic resistance elements and methods for making same. 3,351,-822, 11–7–67, Cl. 338—322.
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Kohler, Hans W., to United States of America, Army. Satellite spin measurement. 3,297,948, 1–10–67, Cl. 324—70.
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Kohler, Jacob W. L., A. A. Dros, J. R. Geuns, and G. Prast, to North American Philips Co., Inc. Device for producing cold at low temperatures and cold-gas refrigerator particularly suitable for use in such a device. 3,327,486, 6–27–67, Cl. 62—6.
Kohler, Jacob W. L., H. Fokker, and R. J. Meeijer, to North American Philips Co., Inc. Leakage prevention arrangement for hot-gas reciprocating apparatus. 3,355,882, 12–5–67, Cl. 60—24.
Kohler, John B., to The Kohler Coating Machinery Corp. Nozzle construction for coating machines and the like. 3,314,163, 4–18–67, Cl. 34—155.
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Kohlhagen, Walter, to Amphenol Corp. Self-starting synchronous reaction motor. 3,333,129, 7–25–67, Cl. 310—164.
Kohlhagen, Walter. Method and apparatus for magnetizing permanent-magnet rotors for synchronous reaction motors. 3,335,377, 8–8–67, Cl. 335—284.
Kohlhagen, Walter. Presettable and resettable counter. 3,351,-277, 11–7–67, Cl. 235—132.
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Kohlmeyer, Horst, to Lohmann-Apparatebau K.G. Ventilating device for spaces in building. 3,302,548, 2–7–67, Cl. 98—33.
Kohls, James P., to Jervis B. Webb Co. Forward and reverse guidance control for vehiles. 3,322,225, 5–30–67, Cl. 180—79.1.
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Kohn, Jean and Jacques. Cryogenic structural insulating panels. 3,325,037, 6–13–67, Cl. 220—9.
Kohn, Karin. Heat protecting head shield for hair drier. 3,348,-240, 10–24–67, Cl. 2—174.
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Kokinda, George, to American Flange & Mfg. Co., Inc. Apparatus for lining container closures. 3,333,571, 8–1–67, Cl. 118—318.
Kokkinis, Nikolaus, to Lindauer Dornier Gesellschaft m.b.H. Method of and means for forming a selvage on fabric woven on a shuttleless loom. 3,311,138, 3–28–67, Cl. 139—124.
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Kokorudz, Michael, W. K. Langdon, P. Davis, and H. C. Vogt, to Wyandotte Chemicals Corp. Polyhalogenous polyester preparation. 3,331,815, 7–18–67, Cl. 260—78.4.

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Koller, Charles R., to E. I. du Pont de Nemours and Co. Double-faced pile article. 3,322,606, 5–30–67, Cl. 161—67.

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Koller, Charles R., to E. I. du Pont de Nemours and Co. Bonded pile article and process for the production thereof. 3,334,006, 8–1–67, Cl. 161—62.

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Kollonitsch, Janos, to Merck & Co., Inc. Process for the preparation of 5-nitroimidazole-2-carboxylic acids. 3,325,507, 6–13–67, Cl. 260—309.

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Kollsman, Paul. Method of modifying the chemical composition of substances by ion transfer. 3,296,112, 1–3–67, Cl. 204—180.

Kollsman, Paul. Method for producing a deionized liquid product by electrodialysis. 3,309,301, 3–14–67, Cl. 204—180.

Kollsman, Paul. Method of and apparatus for producing a deionized liquid product by electrodialysis. 3,359,194, 12–19–67, Cl. 204—180.

Kolm, Eric A., to Sonus Corp. Piezoelectric filter element. 3,321,648, 5–23–67, Cl. 310—8.2.

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Komeno, Taichiro, to Shionogi & Co., Ltd. 6β-thiocyanato pregnane derivatives. 3,300,519, 1–24–67, Cl. 260—397.4.

Komeno, Taichiro, to Shionogi & Co. Ltd. 2- or 3-alkyl-2,3-epithio-5α-androstan-17β-ols and their 17-alkanoates and production thereof. 3,341,523, 9–12–67, Cl. 260—239.5.

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Kosinski, Steve. Illuminated cradle holder for telephones. 3,358,132, 12–12–67, Cl. 240—2.17.
Kosinsky, Edward J., and E. Solop, to Phillips Petroleum Co. Blending of thermoplastic material. 3,342,901, 9–19–67, Cl. 260—897.
Kositsky, Nathan: *See*—
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Koskela, Melvin A. Educational calculating device. 3,309,-017, 3–14–67, Cl. 235—78.
Koski, Olli R.: *See*—
Koski, Pentti U. 3,352,335.
Koski, Pentti U., ½ to O. R. Koski. Wood block splitting device. 3,352,335, 11–14–67, Cl. 144—195.
Koski, William L.: *See*—
Swenson, Emil S., and Koski. 3,313,415.
Koskie, Wallace W., to Data Products Corp. Lapping method and apparatus. 3,305,976, 2–28–67, Cl. 51—151.
Koslosky, Edmund: *See*—
Kling, Harry C., and Koslosky. 3,331,997.
Koslow, Sidney: *See*—
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Koslowski, Karl, and F. W. Schneider, to Beteiligungs- und Patentverwaltungsgesellschaft mit Beschrankter Haftung. Automatic readjusting and feeding device for a hydraulically operated scraping device in a peeling centrifuge. 3,338,-418, 8–29–67, Cl. 210—375.
Kosmala, James M.: *See*—
Demler, Walter R., Edelman, Hallinan, and Kosmala. 3,351,471.
Kosman, Jerzy, and H. C. DeGruyther, to Massey-Ferguson (United Kingdom) Ltd. Vehicle power unit. 3,309,943, 3–21–67, Cl. 74—701.
Kosowsky, Leo K.: *See*—
Bachman, William S., Kosowsky, and Deaso. 3,354,501.
Kosrow, Robert L.: *See*—
Attwood, John G., and Kosrow. 3,350,582.
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Smith, Robert E., Kosrow, and Attwood. 3,353,821.
Kosrow, Robert L., to Union Special Machine Co. Apparatus for sensing the disposition of knit material. 3,334,729, 8–8–67, Cl. 198—232.
Kosrow, Robert L., and A. N. Hale, to Union Special Machine Co. Sewing machine control. 3,358,628, 12–19–67, Cl. 112—219.
Kossakowski, Leonard L., and W. B. Rosink, to North American Philips Co., Inc. Device of the kind in which the distance of an object from a defined surface is determined or adjusted by means of a bridge circuit. 3,333,105, 7–25–67, Cl. 250—210.
Kossnar, Dennis: *See*—
Wolowicz, Richard S., Kossnar, and Oller. 3,344,911.
Kossnar, Dennis, to Container Corp. of America. Two-cell display carton. 3,347,356, 10–17–67, Cl. 206—45.29.
Kossnar, Dennis J., to Container Corp. of America. Domed cover two piece carton. 3,300,117, 1–24–67, Cl. 229—32.
Kossoff, Arnold H. and I. I. Box with fully telescoped hinged cover. 3,338,504, 8–29–67, Cl. 229—33.
Kossoff, Irwin I.: *See*—
Kossoff, Arnold H. and I. I. 3,338,504.
Kossoff, Joseph: *See*—
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Kost, Erwin, to Kommanditgesellschaft Friedrich Kocks. Apparatus for testing pipe under internal pressure. 3,334,515, 8–8–67, Cl. 73—49.5.
Kost, Erwin, and A. Bindernagel, to Kommanditgesellschaft Friedrich Kocks. Sealing a clamping head for an end of a tube to be pressure-tested. 3,331,238, 7–18–67, Cl. 73—49.5.
Kost, James W. Brush-on packages. 3,323,642, 6–6–67, Cl. 206—56.
Kosta, Peter L., to Jacuzzi Bros. Inc. Hydrotherapy apparatus with means for mounting in bathtub drain. 3,304,-936, 2–21–67, Cl. 128—66.
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Kostenko, Arthur, to The Getzen Co., Inc. Limit stop for brass musical instrument. 3,329,056, 7–4–67, Cl. 84—388.
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Koster, Claus, and G. Hofer, to Robert Bosch, G.m.b.H. Regulated injection pump. 3,320,893, 5–23–67, Cl. 103—41.
Koster, Robert A., to The Bunker-Ramo Corp. Symbol display apparatus. 3,298,013, 1–10–67, Cl. 340—324.
Koster, Robert A., to The Bunker-Ramo Corp. Position control system employing pulse producing means indicative of magnitude and direction of movement. 3,304,434, 2–14–67, Cl. 250—231.
Koster, Robert A., to The Bunker-Ramo Corp. Method for exposing photosensitive material. 3,311,918, 3–28–67, Cl. 346—1.
Koster, Robert A., F. J. Beach, and R. F. Bryan, to The Bunker-Ramo Corp. Control/display apparatus. 3,346,853, 10–10–67, Cl. 340—172.5.
Koster, Roland, to Studiengesellschaft Kohle m.b.H. 1-aluminum indanes and 1-aluminum tetralines and their manufacture. 3,360,537, 12–26–67, Cl. 260—448.
Kostial, Ben C., to Texas National Mfg. & Sales Co. Knockdown broiling and roasting apparatus. 3,359,963, 12–26–67, Cl. 126—9.
Kostin, Richard M., and W. B. Schueren, to The Ford Motor Co. Convertible backlight. 3,333,362, 8–1–67, Cl. 49—248.
Kostopoulos, Anthony, and P. V. Colombo, to American Machine & Foundry Co. Candlepin elevator, distributor and control system. 3,307,847, 3–7–67, Cl. 273—43.
Kostrewa, John J., to Evans Products Co. Freight bracing apparatus. 3,344,750, 10–3–67, Cl. 105—369.
Kostuch, Donald J., to International Business Machines Corp. Simple high-voltage pulse generating system. 3,358,216, 12–12–67, Cl. 323—18.
Kostur, J Edward, Sr., deceased (Pioneer Trust & Savings Bank, executor), to Comet Industries, Inc. Apparatus for high-speed packaging of articles. 3,315,438, 4–25–67, Cl. 53—141.
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Kotesovec, Vladimir, J. Zizka, and V. Janata, to Vyzkumny a vyvojovy ustav drevardsky. Method and apparatus for rip sawing of logs and timbers. 3,304,972, 2–21–67, Cl. 144—326.
Kotesovec, Vladimir, J. Zizka, and V. Janata, to Vyzkumny a vyvojovy ustav drevardsky. Apparatus for rip sawing of logs and timbers. 3,347,289, 10–17–67, Cl. 143—36.
Kothe, Ewald, to United Aircraft Corp. Helmet feedport. 3,359,568, 12–26–67, Cl. 2—6.
Kothelmer, William C., to General Electric Co. Overcurrent protective means. 3,317,794, 5–2–67, Cl. 317—36.
Kothmann, Gilbert C. Universal hitch for emergency drawbar. 3,326,576, 6–20–67, Cl. 280—515.
Kotis, Richard J. Trolling minnow rig. 3,327,423, 6–27–67, Cl. 43—44.2.
Kotlar, Rudolph J., A. H. Raack, and C. A. Truckenbrodt. Snow and ice melting apparatus. 3,304,632, 2–21–67, Cl. 37—12.
Kotler, Aaron L., to The Goshen Mfg. Co., Inc. Glider oscillating on rollers. 3,350,134, 10–31–67, Cl. 297—246.
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Kotos, Peter, to General Electric Co. Electromagnetic induction-type protective relay having improved adjustment means. 3,334,321, 8–1–67, Cl. 335—177.
Kotoucek, Waldemar R., to Ford Motor Co. Single pedal dual brake system. 3,353,635, 11–21–67, Cl. 188—106.
Kotov, Vladimir A., N. A. Shljapin, and I. I. Kirichinsky, to Nauchno-Issledovatelsky Institute Tekhnotogii artomobilnoi promyshlennosti. 3,359,769, 12–26–67, Cl. 72—200.
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Kottenhahn, Alfred P., to E. I. du Pont de Nemours and Co. 4-hexenyl aluminum compounds. 3,328,447, 6–27–67, Cl. 260—448.
Kotter, James I., E. F. Wallace, and H. L. Salaun, Jr., to United States of America, Agriculture. Method of making a fiber processing cylinder. 3,325,880, 6–20–67, Cl. 29—148.4.
Kottler, Franklin D.: *See*—
Williams, Francis A., and Kotler. 3,335,651.
Kottler, Franklin D., to Eastman Kodak Co. Multilamp flash photography. 3,319,548, 5–16–67, Cl. 95—11.
Kottler, Franklin D., to Sylvania Electric Products Inc. Multilamp photoflash package. 3,327,106, 6–20–67, Cl. 240—1.3.
Kottler, Franklin D., C. G. Vroom, and D. M. Peterson, to Sylvania Electric Products Inc. Disposable multilamp photoflash unit. 3,327,105, 6–20–67, Cl. 240—1.3.
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Shoji, Koichi, and Kotuji. 3,357,535.
Kouba, Delore L., to Hercules Inc. Process for the manufacture of p-nitrosophenol. 3,320,324, 5–16–67, Cl. 260—621.
Koundakjian, Theodore H., and J. L. Dreher, to Chevron Research Co. Production of complex basic aluminum soap greases. 3,345,291, 10–3–67, Cl. 252—37.7.
Kouns, Herbert H.: *See*—
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Kouns, Herbert H., to Abex Corp. Hydraulic fluid energy translating device. 3,304,884, 2–21–67, Cl. 103—162.
Kourkene, Jacques P. Apparatus and method for anchoring post-tensioning tendons in prestressed structures. 3,307,310, 3–7–67, Cl. 52—230.
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Koury, Frederic, and J. F. Waymouth, to Sylvania Electric Products Inc. High pressure electric discharge device having electrodes with thorium on the exposed surface thereof. 3,313,974, 4–11–67, Cl. 313—218.
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Koutnik, Rodrick J., to Snap-Tite, Inc. Balanced multi-way valve. 3,357,454, 12–12–67, Cl. 137—627.5.
Kouzuki, Tadao. Chain sprocket changing means for motorcycles. 3,321,040, 5–23–67, Cl. 180—33.
Kovac, Frederick J., and G. W. Rye, to The Goodyear Tire & Rubber Co. Method of making a pneumatic cord tire. 3,345,228. 10–3–67, Cl. 156—126.
Kovac, James J.: *See*—
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Kovacevic, Boris N. Apparatus for dispensing lighted cigarettes. 3,307,741, 3–7–67, Cl. 221—143.
Kovacevich, George. Baby carriage seats. 3,331,633, 7–18–67, Cl. 297—379.
Kovach, John T., Jr., and C. W. Thompson, to American Gas Association, Inc. Apparatus for sensing the composition of gases, and gas burner system employing same. 3,295,585, 1–3–67, Cl. 158—130.
Kovach, Leslie J., and B. V. Menegus. Modern Plastic Machinery Corp. Extrusion die for blown film. 3,311,952, 4–4–67, Cl. 18—14.
Kovach, Stephen M., to Sinclair Research, Inc. Liquid phase polymerization of olefins using a zinc fluoride-alumina catalyst. 3,296,331, 1–3–67, Cl. 260—683.15.
Kovach, Stephen M., to Sinclair Research, Inc. Liquid phase polymerization of olefins using a boria-alumina catalyst. 3,311,672, 3–28–67, Cl. 260—683.15.
Kovach, Stephen M., to Sinclair Research, Inc. Hydrogenation of aromatic hydrocarbons using cobalt hydrogenation catalysts. 3,324,190, 6–6–67, Cl. 260—667.
Kovach, Stephen M., and E. S. Rogers, to Sinclair Research, Inc. Process for removing nitrogen with cobalt-rare earth and group catalyst. 3,345,286, 10–3–67, Cl. 208—254.
Kovacik, Henry. Table stand. 3,322,077, 5–30–67, Cl. 108—111.
Kovacik, Stephen, and L. W. Cramer, to Libbey-Owens-Ford Glass Co. Trimming glass sheets. 3,344,968, 10–3–67, Cl. 225—2.
Kovacs, Geza L., to New Canadian Processes Ltd. Process for treating cold rolling mill effluent containing oil emulsified in water. 3,301,779, 1–31–67, Cl. 210—44.
Kovacs, Geza L., to Palm Oil Recovery, Inc. Process for treating and recovering rolling oil. 3,352,137, 11–14–67, Cl. 72—42.
Kovacs, Lloyd, to Midland-Ross Corp. Sheet extrusion die. 3,308,222, 3–7–67, Cl. 264—176.
Kovalcik, James L. Back-up tab for siding. 3,339,333, 9–5–67, Cl. 52—672.
Kovalevski, Nicholas, to Alfred Electronics. Oscillator circuit with variable capacitor. 3,332,035, 7–18–67, Cl. 331—117.
Kovalik, Albert E., and S. H. S. Raub, to Union Carbide Corp. Heat interchanger. 3,327,777, 6–27–67, Cl. 165—81.
Kovalik, Albert E., J. L. Miller, and H. S. Raub, to Union Carbide Corp. Ground anode-to-cable connection. 3,340,173. 9–5–67, Cl. 204—196.
Kovalsky, Stephen J., and R. A. Olson, to FMC Corp. Method for producing stable salts of dichloroisocyanuric acid (II). 3,299,060, 1–17–67, Cl. 260—248.
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Kovats, Andre. Stationary hot air building heating system using a gas turbine driven fan. 3,353,529, 11–21–67, Cl. 126—110.
Kovats, William S., to G & W Electric Specialty Co. Locking plate structure for a spring energized switch operator. 3,330,919, 7–11–67, Cl. 200—42.
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Kowalick, James F., to United States of America, Army. Liquid propellant piezometer. 3,320,793, 5–23–67, Cl. 73—53.
Kowalick, James F., and W. E. Perkins, to United States of America, Army. Propellant gas generator. 3,305,319, 2–21–67, Cl. 23—281.
Kowalick, James F., and G. F. Hare, Jr., to United States of America, Army. Pyrotechnic delay device for mild detonation cord. 3,320,884, 5–23–67, Cl. 102—27.
Kowalik, Thomas J. : *See*—
Perron, Albert J., and Kowalik. 3,324,524.
Kowalski, Ben C. Stretch bending machine. 3,339,391, 9–5–67, Cl. 72—151.
Kowalski, Charles J., to Cartofax Corp. Electrophotographic reproducing apparatus. 3,318,213, 5–9–67, Cl. 95—1.7.
Kowalski, Fred : *See*—
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Kowalski, John E., and H. A. Nelson, to Dodge Mfg. Corp. Variable speed pulley drive. 3,303,710, 2–14–67, Cl. 74—230.17.
Kowalski, Joseph W., to James R. Kearney Corp. Service drop clamp for electric conductor feeder. 3,306,970, 2–28–67, Cl. 174—79.
Kowalski, Robert J. Archery bow sight. 3,310,875, 3–28–67, Cl. 33—46.
Kowalski, Slawomir, to Marotta Valve Corp. Union with provision for misalignment. 3,332,709, 7–25–67, Cl. 285—23.
Kowalski, Walter, to McGraw-Edison Co. Reversible sectionalizing switch. 3,316,367, 4–25–67, Cl. 200—48.
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Ziegler, Hans-Werner, Berg, and Kowalski. 3,307,679.
Ziegler, Hans-Werner, Kowalski, and Hinz. 3,345,443.
Kowalski, Xavier, to Monsanto Co. Solid shaped sterilizing, sanitizing, and disinfecting compositions. 3,296,069, 1–3–67, Cl. 167—33.
Kowalski, Xavier, to Monsanto Co. Sterilizing, sanitizing, and/or disinfecting shapes. 3,342,674, 9–19–67, Cl. 167—42.
Kowata, Yasuo, to Pennsalt Chemicals Corp. Centrifugal solids deliquefying and treating process and apparatus. 3,302,873, 2–7–67, Cl. 233—7.
Kowols, Gilbert J., to Mark Products Co. Single sideband transceiver having common transmit and receiver apparatus. 3,300,720, 1–24–67, Cl. 325—20.
Koy, Milton P., 75% to F. W. Gartner Co. Concrete pump. 3,320,901, 5–23–67, Cl. 103—152.
Koyak, Joseph W., to Vandercook & Sons, Inc. Inking system for printing presses. 3,353,484, 11–21–67, Cl. 101—350.
Koyama, Kinichi : *See*—
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Koyanagi, Yukio, to Matsushita Electric Industrial Co., Ltd. Cathode ray tubes and apparatus using the same. 3,352,970, 11–14–67, Cl. 178—7.85.
Koza, Russell C., to General Electric Co. Scale plate mounting system for edgewise instrument. 3,298,351, 1–17–67, Cl. 116—129.
Kozacik, Alfred P., and H. Myers, to Mobil Oil Corp. Nonselective herbicidal method. 3,360,358, 12–26–67, Cl. 71—102.
Kozacik, John J., to Philip Carey Mfg. Co. Cement-asbestos products, and improvement in the manufacture thereof. 3,354,031, 11–21–67, Cl. 162—145.
Kozacka, Frederick J., to The Chase-Shawmut Co. Electric high-voltage fuse having means for effecting sequential vaporization of portions of fusible element. 3,296,399, 1–3–67, Cl. 200—120.
Kozacka, Frederick J., to The Chase-Shawmut Co. Electric fuse including heater winding for solder joint. 3,313,899, 4–11–67, Cl. 200—123.
Kozacka, Frederick J., to The Chase-Shawmut Co. Springless time lag fuse for motor circuits. 3,319,028, 5–9–67, Cl. 200—120.
Kozacka, Frederick J., to The Chase-Shawmut Co. Supercompact polyphase fuse. 3,342,962, 9–19–67, Cl. 200—120.
Kozacka, Frederick J., to The Chase-Shawmut Co. Dual element cartridge fuse for small current intensities. 3,342,964, 9–19–67, Cl. 200—123.
Kozak, Andrew F., to Data Instruments Division. Vertically sliding door. 3,304,994, 2–21–67, Cl. 160—202.
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Kozbelt, Lloyd S., and D. M. Cunningham, to Edwin L. Wiegand Co. Electric heater assembly. 3,350,674, 10–31–67, Cl. 338—316.
Kozel, James A., to American Radiator & Standard Sanitary Corp. Pilot-operated valve. 3,300,175, 1–24–67, Cl. 251—30.
Kozhevnikow, Sergei N., B. M. Klimkovsky, A. S. Tkachenko, and A. V. Prazdnikov, to Institute Chernoi Metallurgii. Device for balancing forces of inertia of the reciprocally moving masses. 3,337,209, 8–22–67, Cl. 267—75.
Kozikowski, John, and M. Cais, to Ethyl Corp. Process for preparing vinylcyclopentadienyl manganese tricarbonyl. 3,306,916, 2–28–67, Cl. 260—429.
Kozikowski, John, and M. Cais, to Ethyl Corp. Process for preparing acylcyclopentadienyl manganese tricarbonyl ester condensation products. 3,308,141, 3–7–67, Cl. 260—429.
Kozikowski, John, and M. Cais, to Ethyl Corp. Cyclopentadienyl manganese tricarbonyl sulfones. 3,317,575, 5–2–67, Cl. 260—429.
Kozikowski, John, and M. Cais, to Ethyl Corp. Organomanganese indole compounds and process for preparing same. 3,321,485, 5–23–67, Cl. 260—319.1.
Kozikowski, John, and M. Cais, to Ethyl Corp. Cyclopentadienyl sulfonic acid and sulfonyl halide manganese tricarbonyls. 3,330,844, 7–11–67, Cl. 260—429.
Kozikowski, John, and M. Cais, to Ethyl Corp. Cyclopentadienyl sulfinic acid manganese tricarbonyls. 3,330,845, 7–11–67, Cl. 260—429.
Kozikowski, John, and M. Cais, to Ethyl Corp. Chlorocarbonylcyclopentadienyl manganese tricarbonyls and processes for preparing same. 3,330,846, 7–11–67. Cl. 260—429.
Kozikowski, John, and M. Cais, to Ethyl Corp. [(2,5-dihydroxyphenyl sulfonyl) cyclopentadienyl] manganese tricarbonyls. 3,335,157, 8–8–67, Cl. 260—429.
Kozikowski, John, and M. Cais, to Ethyl Corp. [(Alkoxyphenyl sulfonyl) cyclo-pentadienyl] manganese tricarbonyls. 3,338,934, 8–29–67, Cl. 260—429.
Kozikowski, John, and M. Cais, to Ethyl Corp. [(P-tolylsulfamoyl) cyclopentadienyl] manganese tricarbonyl. 3,350,430, 10–31–67, Cl. 260—429.
Kozikowski, John, and M. Cais, to Ethyl Corp. Alkali metal salts of cyclopentadienyl carboxylic acid manganese tricarbonyls and their free acids. 3,350,431, 10–31–67, Cl. 260—429.
Kozikowski, Joseph L., to Burroughs Corp. Direct coupled transistor amplifier having complementary symmetry output and switchable feedback loop for driving a deflection coil. 3,303,380, 2–7–67, Cl. 315—27.
Koziol, Konrad, and G. Klier, to C. Conradty. Method of screw connecting carbon or graphite electrodes. 3,322,446, 5–30–67, Cl. 287—127.
Kozlov, Leonid P. Mechanism of percussive action. 3,356,165, 12–5–67, Cl. 173—124.
Kozlowski, Robert H., to Chevron Research Co. Hydrocracking process producing lubricating oil. 3,308,055, 3–7–67, Cl. 208—111.
Kozlowski, Robert H., to Chevron Research Co. Hydrocarbon conversion for light gas production. 3,314,878, 4–18–67, Cl. 208—58.
Kozol, Eugene T. : *See*—
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Azbukin, Jury I., Portnov, Avrukh, Kozorezov, and Mitelman. 3,322,985.
Kozuma, Noboru, and K. Fukawa, to Kabushiki Kaisha Hitachi Seisakusho. Transistor oscillator. 3,297,962, 1–10–67, Cl. 331—117.
Krabbe, Erik, and C. Akin, to Falstaff Brewing Corp. Neutral tasting alcoholic malt beverage. 3,332,779, 7–25–67, Cl. 99—31.
Krabberöd, Halvard, to Aktiebolaget Gotaverken. Arrangement in V-type combustion engines. 3,318,297, 5–9–67, Cl. 123—195.
Kracht, Gerhard, to Swedish Crucible Steel Co. Process of producing flexible foam polystyrene plastic sheeting. 3,309,440, 3–14–67, Cl. 264—53.
Kracklauer, Aloysius, to Sparkler Mfg. Co. Apparatus for use in filtering fluids. 3,344,922, 10–3–67, Cl. 210—81.
Kracklauer, Aloysius C., to Sparkler Mfg. Co. Spaced wall filter element having assembling means. 3,339,742, 9–5–67, Cl. 210—232.
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Kraeft, Robert W. Machine for cleaning and assorting table silver and control mechanism therefor. 3,339,564, 9–5–67, Cl. 134—58.
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Kraemer, William C., Jr., and C. R. Eckardt, to Allied Chemical Corp. Chlorinated polyethylene foam. 3,335,101, 8–8–67, Cl. 260—2.5.
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Krauss, Lutz, and W. W. Schroeder, to South African Inventions Development Corp. Spectro-chemical analysis apparatus supplying substantially the same energy to the gap for all waveforms. 3,356,895, 12–5–67, Cl. 315—199.
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Krauss, Otto, H. Decker, M. Link, and W. Stuiber, to Triumph Werke Nuremberg A.G. Escapement mechanism for typewriters. 3,358,806, 12–19–67, Cl. 197—84.
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Krausz, Robert, to United States of America, Navy. Subminiature crystal oscillator of high stability. 3,303,436, 2–7–67, Cl. 331—116.
Kraut, Herman G., to The Stanley Works. Method of packaging. 3,299,604, 1–24–67, Cl. 53—22.
Kraut, Herman G., to The Stanley Works. Method and apparatus for packaging. 3,315,434, 4–25–67, Cl. 53—22.
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Kravitt, Irwin H. Advertising displays. 3,328,906, 7–4–67, Cl. 40—33.
Kravitz, Harvey. Combination tongue depressor and swab. 3,324,849, 6–13–67, Cl. 128—15.
Kravitz, Harvey. Shaped mattress top for correcting pedal deformities in children. 3,339,544, 9–5–67, Cl. 128—80.
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Clark, Charles C., and Krawczyk. 3,333,978.
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Kreger, Fred W., to Sash Controls, Inc. Sliding closure construction. 3,304,658, 2–21–67, Cl. 49—425.
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Kreibaum, Otto. Clamping device for piles of boards and particularly piles of lumber to be dried. 3,337,174, 8–22–67, Cl. 248—361.
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Kreier, George J., Jr. Lining for lightweight fiberglass reinforced polyester resin mold. 3,317,178, 5–2–67, Cl. 249—134.
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Krejci, Joseph C., and M. B. Howard, to Phillips Petroleum Co. Production of high structure furnace carbon black. 3,355,247, 11–28–67, Cl. 23—209.4.
Krekeler, Claude B., to The Cincinnati Mine Machinery Co. Cutter bits and mounting means therefor. 3,331,637, 7–18–67, Cl. 299—92.
Krekeler, Claude B., to The Cincinnati Mine Machinery Co. Renewable cutting arms and wheels for mining machines. 3,338,634, 8–29–67, Cl. 299—90.
Krekeler, Claude B., to The Cincinnati Mine Machinery Co. Cutting wheels for mining machines and the like with replaceable cutter bearing rims. 3,342,530, 9–19–67, Cl. 299—89.
Krekeler, Claude B., to The Cincinnati Mine Machinery Co. Conical cutter bits held by resilient retainer for free rotation. 3,342,531, 9–19–67, Cl. 299—92.
Krekeler, Claude B., to The Cincinnati Mine Machinery Co. Cutting tool comprising holder freely rotatable in socket with bit frictionally attached. 3,342,532, 9–19–67, Cl. 299—92.
Krekovich, James J., to Hallmark Cards, Inc. Honeycomb novelty device. 3,340,133, 9–5–67, Cl. 161—14.
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Kremp, Rudolf, P. Frost, and F. Hennig, to Agfa Aktiengesellschaft. Structure for adjusting a camera according to characteristics of film exposed therein. 3,309,975, 3–21–67, Cl. 95—10.
Kremp, Rudolf, and G. Kiper, to Agfa Aktiengesellschaft. Light controlled shutter. 3,314,346, 4–18–67, Cl. 95—10.
Kremp, Rudolf, and G. Kiper, to Agfa Aktiengesellschaft. Camera shutters. 3,314,347, 4–18–67, Cl. 95—10.
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Kress, Ralph H., R. E. Guhl, and J. G. Klecker, to Caterpillar Tractor Co. Hydraulic steering of forward and rear vehicle wheels. 3,323,610, 6–6–67, Cl. 180—79.2.
Kress, Ralph H., and J. C. Medley, to Catepillar Tractor Co. Suspension system for heavy vehicles. 3,330,578, 7–11–67, Cl 280—423.
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Kretzmer, Ernest R., to Bell Telephone Laboratories, Inc. Keyed oscillator circuit. 3,360,745, 12–26–67, Cl. 332—12.
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Kreuger, Carl H., to A. H. Voss Co. Drainage stopper. 3,307,206, 3–7–67, Cl. 4—199.
Kreuter, Kenneth G., to Robertshaw Controls Co. Electropneumatic process control system for valves and the like. 3,306,170, 2–28–67, Cl. 91—1.
Kreuter, Kenneth G., to Robertshaw Controls Co. Combination bimetal thermal switch mounted in between a rod and tube thermal responsive device. 3,320,388, 5–16–67, Cl. 200—137.
Kreuter, Kenneth G., to Robertshaw Controls Co. Air drying means. 3,324,631, 6–13–67, Cl. 55—163.
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Krezanoski, Joseph Z., to Barnes-Hind Pharmaceuticals, Inc. Ophthalmic composition containing an anesthetic and fluorescein sodium. 3,306,820, 2–28–67, Cl. 167—59.
Kriadis, Nickolas, to Bel-Tronics Corp. Magnetic coil convergence assembly. 3,307,128, 2–28–67, Cl. 335—212.
Kriadis, Nickolas, and T. J. Wright, to Bel-Tronics Corp. Antenna mounting member. 3,302,916, 2–7–67, Cl. 248—314.
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Krieger, Alex, to Societe de la Viscose Suisse. Stabilized polyamide compositions containing a copper compound and a lead compound. 3,340,227, 9–5–67, Cl. 260—45.75.
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Krieger, Robert L., to Mannsville Plastics, Inc. Ornamental grill. 3,340,661, 9–12–67, Cl. 52—456.
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Krimm, Heinrich, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of alkenylanilines. 3,359,317, 12–19–67, Cl. 260—577.
Krimmel, Carl P., to G. D. Searle & Co. Pyridinecarboxylic acid derivatives of 3-azabicyclo[3.2.2]nonane. 3,309,372, 3–14–67, Cl. 260—295.
Krimmel, Carl P., to G. D. Searle & Co. Pyridinecarboxylic acid esters of cyclobutanediols. 3,321,484, 5–23–67, Cl. 260—295.5.
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Kristal, Joseph, deceased (by R. Kristal, administratrix), E. D. Crane, and B. Werbel, to United States of America, Army. Granulating process for pyrotechnics containing organic dyes and vinyl resins. 3,338,763, 8–29–67, Cl. 149—19.
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Kritzer, Richard W., to Peerless of America, Inc. Heat exchanger and defroster therefor. 3,343,596, 9–26–67, Cl. 165—67.
Kritzer, Richard W., to Peerless of America, Inc. Heat exchanger elements. 3,360,040, 12–26–67, Cl. 165—181.
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Zdanuk, Edward J., and Krock. 3,353,933.
Krock, Richard H., to P. R. Mallory & Co., Inc. Tungsten-ruthenium alloy and powder-metallurgical method of making. 3,301,641, 1–31–67, Cl. 29—182.
Krock, Richard H., and E. J. Zdanuk, to P. R. Mallory Co. Inc. Tungsten powder bodies infiltrated with copper-titanium bismuth or copper-titanium-tin. 3,305,324, 2–21–67, Cl. 29—182.1.
Krock, Richard H., and E. J. Zdanuk, to P. R. Mallory & Co., Inc. Method of producing a porous tungsten structure with an impervious skin. 3,318,696, 5–9–67, Cl. 75—208.
Krock, Richard H., and E. J. Zdanuk, to P. R. Mallory & Co., Inc. Method of producing a porous tungsten structure with an impervious skin. 3,320,058, 5–16–67, Cl. 75—208.
Krock, Richard H., E. I. Larsen, and C. R. Jones, to P. R. Mallory & Co., Inc. Beryllium-aluminum-silver composite. 3,322,512, 5–30–67, Cl. 29—182.2.
Krock, Richard H., C. R. Jones, and E. I. Larsen, to P. R. Mallory & Co., Inc. Beryllium-silver-copper composite. 3,322,514, 5–30–67, Cl. 29—182.2.
Krock, Richard H., E. I. Larsen, and C. R. Jones, to P. R. Mallory & Co., Inc. Beryllium-aluminum-magnesium composite. 3,323,880, 6–6–67, Cl. 29—182.2.
Krock, Richard H., R. H. Kelsey, H. R. Camenzind, and G. Wallis, to P. R. Mallory & Co., Inc. Micro-tensile testing machine. 3,324,713, 6–13–67, Cl. 73—95.
Krock, Richard H., and E. J. Zdanuk, to P. R. Mallory & Co. Inc. Tungsten powder bodies infiltrated with copper-titanium bismuth or copper-titanium-tin. 3,337,338, 8–22–67, Cl. 75—208.
Krockow, Dieter: *See*—
Von Bernuth, Gotz, Janisch, and Krockow. 3,316,465.
Kroeger, Edward C.: *See*—
Davis, Melvin C. 3,325,940.
Kroeger, Hanns H., and M. Jung, to Varta Aktiengesellschaft. Catalytic electrode for fuel cells and method for its manufacture. 3,328,206, 6–27–67, Cl. 136—120.
Kroekel, Rolf H. W., to Sealol, Inc. Storage tank for discharging fluids in a blend. 3,296,803, 1–10–67, Cl. 60—259.
Kroell, Charles K., and R. E. Siegrist, to General Motors Corp. Energy absorbing device. 3,339,674, 9–5–67, Cl. 188—1.
Kroemer, Herbert, to Varian Associates. Solid state radiation emitters. 3,309,553, 3–14–67, Cl. 313—108.
Kroener, Calvin: *See*—
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Kroening, Gerald E.: *See*—
Lippmann, Arthur W., and Kroening. 3,326,397.
Kroening, Martin J. Fold-a-door fish house. 3,352,313, 11–14–67, Cl. 135—1.
Kroepel, Carl J., to Otis Elevator Co. Passenger conveyor balustrade. 3,321,059, 5–23–67, Cl. 198—16.
Kroeper, Hugo: *See*—
Weitz, Hans M., Kroeper, Wagner, and Ritz. 3,344,198.
Kroeschell, William O., to Waldorf Paper Products Co. File cases. 3,301,461, 1–31–67, Cl. 229—16.
Krofta, Milos. Apparatus for purification of unclarified waste water. 3,307,701, 3–7–67, Cl. 210—195.
Krofta, Milos. Arrangement for supplying air under pressure to waste water, more particularly in the paper and cellulose industry, for subsequent purification by flotation. 3,352,420, 11–14–67, Cl. 210—205.
Krofta, Milos. Apparatus for producing webs of fibrous materials, in particular of paper and cardboard webs. 3,352,748, 11–14–67, Cl. 162—318.
Kroger Co., The: *See*—
Nadherny, Russell. 3,315,783.
Zumbiel, William A. 3,322,055.
Kroger, Herbert: *See*—
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Saxe, Ludvig, and Krogstad. 3,300,187.
Krogstad, Reuben S.: *See*—
Vali, Victor, Krogstad, Moss, and Hagman. 3,354,311.
Krogstad, Reuben S., to The Boeing Co. Neutron dosimeter comprising nickel oxide with lithium as an impurity. 3,320,421, 5–16–67, Cl. 250—83.1.
Krohn, John M. Garage door guard. 3,319,697, 5–16–67, Cl. 160—229.
Krohn, Lloyd N.: *See*—
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Cloud, Charles E., and Krohn. 3,353,218.
Krokar, Zeljko, to Siemens & Halske Aktiengesellschaft. Selectable value counter. 3,348,029, 10–17–67, Cl. 235—92.
Kroker, Raymond G., to National Union Electric Corp. Bearing assembly. 3,360,311, 12–26–67, Cl. 308—36.3.
Krokos, Raymond M., to Evans Products Co. Freight bracing apparatus. 3,314,379, 4–18–67, Cl. 105—369.
Krokos, Raymond M., to Evans Products Co. Cargo bracing device. 3,333,553, 8–1–67, Cl. 105—369.
Krol, Anthony J., to Callery Chemical Co. Epoxy foams prepared by the reaction of a polyepoxide with a boroxine and an amine borane. 3,355,306, 11–28–67, Cl. 106—122.

Krol, Arthur J., to Dow Corning Corp. Denture retainer. 3,354,547, 11–28–67, Cl. 32—3.
Krol, Arthur J., to Dow Corning Corp. Device for use in prosthetic dentistry. 3,357,105, 12–12–67, Cl. 32—40.
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Krolak, Ronald F., to Amphenol Corp. Electrical connectors. 3,327,282, 6–20–67, Cl. 339—63.
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Saunders, Lawrence J., Krolick, and Burch. 3,307,441.
Krolik, Day, Jr. Perforated sheet material. 3,300,366, 1–24–67, Cl. 161—112.
Kroll, Harry, to Sarki Research and Development Corp. Allyl quinaldinium pyridinium phosphates. 3,337,556, 8–22–67, Cl. 260—286.
Kroll, Harry, A. R. Therrien, Jr. and P. W. Bennett, to Philip A. Hunt Chemical Corp. Silver antitarnish compositions. 3,330,672, 7–11–67, Cl. 106—3.
Kroll, Stanley J. Form stripping tool and sealing cap. 3,316,607, 5–2–67, Cl. 25—120.
Kroll, Wolf R., to Continental Oil Co. Preparation of dialkylaluminum aralkoxide by decomposition of etherates. 3,313,-836, 4–11–67, Cl. 260—448.
Kroll, Wolf R., and K. Zosel, to K. Ziegler. Process for the production of complex aluminum alkyl compounds and, if desired, the recovery of higher alpha olefins therefrom. 3,317,570, 5–2–67, Cl. 260—349.
Kroll, Wolfram R., to Esso Research and Engineering Co. Process for producing a finely divided transition metal. 3,323,902, 6–6–67, Cl. 75—.5.
Kroll, Wolfram R., and A. Malatesta, to Esso Research and Engineering Co. Production of polymers of epoxide compounds using catalytic product of group VIII metal carbonyl with an alkyl aluminum compound. 3,304,269, 2–14–67, Cl. 260—2.
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Martin, Claude, Krollman, King, and Rumsey. 3,352,386.
Krolopp, Otto C., to Blaw-Knox Co. Positive timing device with infinite setting. 3,320,373, 5–16–67, Cl. 200—38.
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Krom, Myron E., to Bell Telephone Laboratories, Inc. Telephone line circuit. 3,320,367, 5–16–67, Cl. 179—18.
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Colby, Theodore W., Jr., and Kron. 3,350,173.
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Krone, Gustav, and H. Forberg, to Krone Kommanditgesellschaft. Plastic tube. 3,314,449, 4–18–67, Cl. 138—125.
Krone, Howard C., to William A. Knapp Co. Vent control device. 3,304,952, 2–21–67, Cl. 137—493.9.
Krone Kommanditgesellschaft: *See*—
Krone, Gustav, and Forberg. 3,314,449.
Krone, Robert C., and L. J. Hansen, to R. R. Donnelley & Sons Co. Web dryer. 3,328,895, 7–4–67, Cl. 34—68.
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Meyer, Karlheinz, Schutz, Stoepel, and Kroneberg. 3,309,362.
Meyer, Karlheinz, Schultz, Stoepel, and Kroneburg. 3,325,517.
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Kronenberg, Klaus J.: *See*—
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Kronenberg, Marvin L., to Union Carbide Corp. Production of catalyzed carbon electrode. 3,316,124, 4–25–67, Cl. 117—227.
Kronenberger, Kurt. Hall probe for measuring the intensity of a changing magnetic field in a mass spectrometer. 3,342,-991, 9–19–67, Cl. 250—41.9.
Kronenberger, Paul E.: *See*—
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Krones, Friedrich, to Agfa Aktiengesellschaft. Means for increasing the recording dynamic when using demagnetizing devices for magnetic storage means. 3,321,586, 5–23–67, Cl. 179—100.2.
Kronig, Walter, W. Swodenk, M. Quaedvlieg, W. Schwerdtel, and G. Boehmke, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of tertiary butanol. 3,328,471, 6–27–67, Cl. 260—641.
Kronman, Albert F.: *See*—
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Kronogard, Sven-Olof, to Volvo, Aktiebolaget. Apparatus for hydrodynamic torque transmission. 3,299,636, 1–24–67, Cl. 60—54.
Kronsbein, Curt, to Maschinenfabrik Eugen Bellmann G.m.b.H. Textile dyeing device for yarns. 3,344,622, 10–3–67, Cl. 68—10.
Kronsbein, Curt, to Maschinenfabrik Eugen Bellmann G.m.b.H. Device for pulling off stockings from forms and depositing them. 3,353,726, 11–21–67, Cl. 223—112.
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Kroon, James L., and R. A. Davis, to The Dow Chemical Co. Propellant comprising a perfluoroguanidine containing oxidant and a fuel. 3,354,011, 11–21–67, Cl. 149—22.
Krooss, Robert J., and R. F. Novak, to Simautics, Inc. Paperboard package. 3,298,513, 1–17–67, Cl. 206—65.
Kropiwnicki, Tradek M., to Carrier Corp. Automatically reversible gear pump. 3,307,480, 3–7–67, Cl. 103—3.
Kropiwnicki, Tadek M., to Carrier Corp. Compressor manifold seal. 3,315,880, 4–25–67, Cl. 230—58.
Kropp, Donald E., H. G. Melino, and D. E. Diehl, to Ritter Pfaudler Corp. Baffle. 3,334,870, 8–8–67, Cl. 259—108.
Kropp, Paul J., to The Procter & Gamble Co. Irradiation of cross-conjugated cyclohexadienones. 3,350,289, 10–31–67, Cl. 204—158.
Kropp, Willis A. Dispensing device. 3,326,418, 6–20–67, Cl. 222—70.
Krossa, Kenneth D., and W. Lin, to Burroughs Corp. Gain setting switching circuit responsive to automatically emitted digital levels. 3,327,236, 6–20–67, Cl. 330—28.
Krotinger, Nathan J., and I. Nusbaum, to Zevel Corp. Process for preventing fecal odors in chemical toilets. 3,314,745, 4–18–67, Cl. 21—55.
Krouse, Bernadine: *See*—
Mazzola, Nunzi P. 3,340,087.
Krouse, Theodore B.: *See*—
Mazzola, Nunzi P. 3,340,087.
Krøyer, Karl K. K. Methods of raising sunken or stranded vessels. 3,332,385, 7–25–67, Cl. 114—50.
Kruce, Benjamin A. Method and apparatus for making a carpet unit. 3,352,733, 11–14–67, Cl. 156—94.
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Von König, Anita, Kruck, and Pfeiffenschneider. 3,301,-677.
Krucoff, Darwin. Digital to log-analog converter. 3,303,489. 2–7–67, Cl. 340—347
Krudewig, Hans, to C. A. Norgren Co. Warning device for oil spray lubrication apparatus. 3,358,790, 12–19–67, Cl. 184—6.
Krueger, Albert P., to Rockridge Laboratories. Filter unit. 3,295,686, 1–3–67, Cl. 210—455.
Krueger, Alfred: *See*—
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Krueger, Allison F. Folding brace lock for table leg. 3,357,729, 12–12–67, Cl. 287—98.
Krueger, Carl E., to General Electric Co. Fastener having layer of foamed resin with indexing means projecting therethrough. 3,298,271, 1–17–67, Cl. 85—32.
Krueger, Grant E., H. F. Mohr, and O. C. Huber, Jr., to National Dairy Products Corp. Cheese manufacturing apparatus. 3,355,805, 12–5–67, Cl. 31—46.
Krueger, John W., to The Frederick Post Co. Halogenated phloroglucinol carboxylic acid. 3,331,869, 7–18–67, Cl. 260—521.
Krueger, Keith T.: *See*—
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Krueger, Russell F.: *See*—
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Kruel, Martin, H. Juentgen, and H. Dratwa, to Bergwerksverband G.m.b.H. Method of purifying gases. 3,345,125, 10–3–67, Cl. 23—2.
Krug, Albert E., to Becton, Dickinson and Co. Indexable rotating joint for stethoscope. 3,316,998, 5–2–67, Cl. 181—24.
Krug, George A., Jr., and T. P. Curtis, to General Electric Co. Magnetically shielded structure with adjustable cover member supporting a magnetron. 3,325,678, 6–13–67, Cl. 315—39.71.
Krug, Marianne: *See*—
Krug, Siegfried and M., and Kosch. 3,301,146.
Krug, Newton J.: *See*—
Bechtel, George R., and Krug. 3,328,524.
Krug, Newton J., C. D. Graber, and L. J. Grosswiller, Jr., to Diebold, Inc. Automatic ejector power filing appliance. 3,297,378, 1–10–67, Cl. 312—223.
Krug, Newton J., and G. R. Bechtel, to Diebold, Inc. Sound system for banking service equipment. 3,301,956, 1–31–67, Cl. 179—1.
Krug, Siegfried and M., and F. Kosch, to Beteiligungs- und Patentverwaltungs-G.m.b.H. By-pass structure. 3,301,-146, 1–31–67, Cl. 94—1.
Kruger, Alfred, to International Copying Machines Co. m.b.H. Drier particularly for photographic sheet material. 3,308,-555, 3–14–67, Cl. 34—155.
Kruger, Bodo, to Martin-Marietta Corp. Regulated power supply with high speed transient response. 3,320,512, 5–16–67, Cl. 321—10.
Kruger, Gunther, to American Home Products Corp. Process for the preparation of equilin and intermediates obtained therefrom. 3,325,519, 6–13–67, Cl. 260—397.4.

Kruger, Gunther, to American Home Products Corp. 5(10),7-estradiene-3,17-dione and the process for the production thereof. 3,340,278, 9–5–67, Cl. 260—397.3.
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Kruger, Herbert W., to Lamb-Weston, Inc. Drying apparatus and method. 3,307,270, 3–7–67, Cl. 34—10.
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Corbin, Ralph L., Kruger, and Badgley. 3,329,559.
Kruger, Michael H., to Smithcraft Corp. Lighting and ventilating troffer assembly. 3,348,465, 10–24–67, Cl. 98—40.
Kruger, Michael H., to Smithcraft Corp. Glare-free office lighting device and the like. 3,349,238, 10–24–67, Cl. 240—9.5.
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Sampson, William B., Britton, and Kruger. 3,356,976.
Kruger, Wolfgang, to Siemens & Halske Aktiengesellschaft. Sender antenna enveloped by a tubular carrier mast. 3,305,871, 2–21–67, Cl. 343—872.
Krugger, Richard E., to Thermoplastic Industries, Inc. Disposable combination beverage and cup dispenser. 3,331,533, 7–18–67, Cl. 221—96.
Krugger, Richard E., to Thermoplastic Industries Inc. Chargeable package for liquids. 3,349,965, 10–31–67, Cl. 222—80.
Kruglinski, Frank A.: *See*—
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Kruis, August, and H. Manhard, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Process and apparatus for separating and hydrogenating gas mixtures. 3,360,588, 12–26–67, Cl. 260—683.9.
Kruissink, John W., to Dentin Mfg. Co. Table structures. 3,342,149, 9–19–67, Cl. 108—113.
Kruizenga, Joseph H. Reserve fuel tank lighters. 3,301,020, 1–31–67, Cl. 67—7.1.
Krukziener, Maurits, to Shell Oil Co. Lubricating oil composition. 3,331,776, 7–18–67, Cl. 252—56.
Krulls, Gerd E., to General Electric Co. Electrical collector apparatus. 3,312,843, 4–4–67, Cl. 310—54.
Krum, Jack K., to Sterling Drug Inc. Anti-oxidant compositions and process. 3,324,043, 6–6–67, Cl. 252—401.
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Krumholz, Alfred F., Sr., to Chicago Boiler Co. Sealing means for rotary agitator of a grinding and dispersing mill. 3,327,953, 6–27–67, Cl. 241—98.
Krumholz, Alfred F., Sr., to Chicago Boiler Co. Grinding apparatus. 3,352,501, 11–14–67, Cl. 241—74.
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Krumm, Eugene D., and N. Casagrande, to The Air Preheater Co., Inc. Element basket for heat exchanger. 3,314,472, 4–18–67, Cl. 165—8.
Krumm, Stephen, to Union Carbide Corp. Sound record comprising vinyl halide resin, group II metal tallate and hydrogen halide acceptor. 3,351,577, 11–7–67, Cl. 260—23.
Krump, Robert C., and D. W. Donnelly, to Emerson Electric Co. Burner control system. 3,335,781, 8–15–67, Cl. 158—28.
Kruper, Andrew P., to Westinghouse Electric Corp. Power transistor. 3,325,706, 6–13–67, Cl. 317—235.
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Krupick, Walter J., and R. F. Cimera, to General Precision, Inc. Two-axis gyro. 3,354,726, 11–28–67, Cl. 74—5.
Krupp, Anton M., and M. L. Stone, to General Electric Co. Lamp base and terminal structure. 3,315,216, 4–18–67, Cl. 339—145.
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Kruse, Fred W., Jr. Microwave frequency measuring by alternately sampling the standing wave pattern of reference and unknown frequency signals in a waveguide. 3,308,291, 3–7–67, Cl. 250—39.
Kruse, Harold L., to Bourns, Inc. Helical-element variable resistor. 3,314,036, 4–11–67, Cl. 338—143.
Kruse, John R., Jr., to Barnes Engineering Co. Video tracker. 3,341,653, 9–12–67, Cl. 178—6.8.
Kruse, Jurgen M., to E. I. du Pont de Nemours and Co. Preparation of unsaturated nitriles. 3,342,847, 9–19–67, Cl. 260—465.3.
Kruse, Jurgen M., to E. I. du Pont de Nemours and Co. Diamond purification. 3,348,918, 10–24–67, Cl. 23—209.9.
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Kruse, William E., and D. Rossello, to Douglas Aircraft Co., Inc. Three dimensional reinforced structure. 3,322,868, 5–30–67, Cl. 264—45.
Krusius, Ewald H., to FMC Corp. Detergent tablets and method of producing same. 3,331,780, 7–18–67, Cl. 252—135.
Krusius, Ewald H., to FMC Corp. Liquid heavy duty cleaner and disinfectant. 3,360,476, 12–26–67, Cl. 252—107.
Krusius, Ewald H., and R. R. Keast, to FMC Corp. Cleansing tablets. 3,338,836, 8–29–67, Cl. 252—99.
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Kruzell, George R. Closed breech rocket gun. 3,355,989, 12–5–67, Cl. 89—187.
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Lehner, Francis E., and Krynicki. 3,303,507.
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Krynski, John E., to Ametek, Inc. Drum filter. 3,347,389, 10–17–67, Cl. 210—401.
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Krysinski, Edwin, to The R. C. Mahon Co. Cellular floor construction. 3,353,313, 11–21–67, Cl. 52—100.
Kryzer, Benjamin H., and T. J. Schoenecker, to Union Tank Car Co. Water conditioning system. 3,306,450, 2–28–67, Cl. 210—134.
Kryzer, Benjamin H., and R. R. Reid, to Union Tank Car Co. Water conditioning system. 3,325,012, 6–13–67, Cl. 210—126.
Kryzer, Benjamin H., T. J. Schoenecker, and K. J. Burkhardt, to Union Tank Car Co. Water conditioning system. 3,354,907, 11–28–67, Cl. 137—599.1.
Krzycki, Leroy J., to United States of America, Navy. Method and apparatus for injecting a secondary propellant in multi-heat release combustors. 3,295,321, 1–3–67, Cl. 60—207.
Krzcycki, Leroy J., and H. P. Jenkins, Jr., to United States of America, Navy. Method and apparatus for injecting a liquid propellant in hybrid rocket motors. 3,302,403, 2–7–67, Cl. 60—220.
Krzewina, Thomas, to General Electric Co. Rack slide stop. 3,347,613, 10–17–67, Cl. 312—333.
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Krzyzanowski, Erich M., and H. Schweikert, to Full Mold Process, Inc. Cavityless casting pattern and method of making same. 3,339,620, 9–5–67, Cl. 164—24.
Krzyzanowski, Robert A., to Milprint, Inc. Packaging of flexible containers. 3,323,639, 6–6–67, Cl. 206—46.
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Kueffer, Philippe G., to General Time Corp. Frequency regulator for tuning fork drive system. 3,338,047, 8–29–67, Cl. 58—23.
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Kuehl, Guenter H., to Mobil Oil Corp. Crystalline zeolite ZK–21. 3,355,246, 11–28–67, Cl. 23—113.
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Kuellmar, Adolph G., to Unarco Industries Inc. Bulkhead latch operating mechanism. 3,330,584, 7–11–67, Cl. 292—36.
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Kuhlman, Albert B., and H. A. Garske. Current interrupter rotary circuit breaker. 3,345,472, 10–3–67, Cl. 200—26.
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Kuhlman, William C., to United States of America, Atomic Energy Commission. Tungsten-osmium thermocouple and element thereof. 3,320,098, 5–16–67, Cl. 136—236.
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Kuhlmann, Kurt, to Industrial Air Products Co. Method and apparatus for evaporating liquefied gases. 3,348,387, 10–24–67, Cl. 62—52.
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Kuhls, Frederick W.: *See*—
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Kuhn, Stephen J., to The Dow Chemical Co. Trifluoromethyldinitrophenylaziridines. 3,297,682, 1–10–67, Cl. 260—239.
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Kuhne, Gerhard, to Deutsche Erdol-Aktiengesellschaft Hamburg. Apparatus for locating the contact surface between lighter and heavier liquids in underground caverns. 3,355,893, 12–5–67, Cl. 61—.5.
Kühne, Heinz, to Vickers-Zimmer Aktiengesellschaft. Jacketed annular reactor unit. 3,345,139, 10–3–67, Cl. 23—277.
Kuhne, Manfred, and E. Kaspar, to Schering A.G. Process for the partial hydrogenation of 24(28) dehydroergosterol to ergosterol. 3,318,919, 5–9–67, Cl. 260—397.2.
Kuhne, Rudolf, F. Meininger, and L. Hornig, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble azo dyestuffs. 3,297,678, 1–10–67, Cl. 260—163.
Kuhne, Rudolf, F. Meininger, and H. Frolich, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Phthalocyanine dyestuffs. 3,305,559, 2–21–67, Cl. 260—314.5.
Kühne, Rudolf, and F. Meininger, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Ethionylamino-arylamines. 3,312,728, 4–4–67, Cl. 260—458.
Kühne, Rudolf, F. Meininger, and W. Noll, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. 1-amino-4-anilino-anthraquinone-2-sulfonic acids. 3,324,151, 6–6–67, Cl. 260—374.
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Kuhne, Rudolf, H. Diery, and M. Grossmann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for making ethionic acid amides by reacting an ethionic anhydride(a carbyl sulfate) with an amine in the presence of water. 3,335,138, 8–8–67, Cl. 260—247.1.
Kuhne, Rudolf, F. Meininger, and R. Pfirrmann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Azo-dyestuffs containing aminoalkylenesulfonylamino groups. 3,346,553, 10–10–67, Cl. 260—163.
Kuhne, Rudolf, F. Meininger, and W. Noll, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble phthalocyanine dyestuffs and process for preparing them. 3,349,097, 10–24–67, Cl. 260—314.5.
Kuhne, Rudolf, F. Meininger, and R. Pfirrmann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Anthraquinone dyestuffs. 3,354,182, 11–21–67, Cl. 260—374.
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Kuhnert, Gottfried, to Universal Maschinenfabrik Schieber, Dr. Rudolf Schieber, G.m.b.H. Apparatus for automatically transferring rib borders and the like in a knitting machine. 3,326,018, 6–20–67, Cl. 66—64.
Kuhnes, Val D., and D. H. Porter. Baseball batting trainer. 3,297,321, 1–10–67, Cl. 273—26.
Kuhnis, Hans H., H. Ryf, and R. Denss, to Geigy Chemical Corp. Piperidine derivatives of 1-hydrocarbyl-4-alkenylene-isonipecotic acid esters. 3,338,910, 8–29–67, Cl. 260—294.3.
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Kukin, Ira, to Apollo Chemical Corp. Additive compositions to improve burning properties of liquid and solid. 3,348,932, 10–24–67, Cl. 44—4.
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Kumins, Charles A., V. L. Chase, J. Fine, and E. Messmer, to Interchemical Corp. Process for textile decorating and textile webs decorated thereby. 3,322,562, 5–30–67, Cl. 117—62.2.
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Kuramoto, Saichiro, K. Fujimoto, Y. Okuno, H. Sakamoto, M. Nakagawa, and T. Mizutani, to Sumitomo Chemical Co. O,O - dimethyl - O-(3-chloro-4-alkylsulfamoylphenyl)phosphorothioates. 3,355,524, 11–28–67, Cl. 260—944.
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Kutner, Abraham, to Hercules Inc. Purification of polyolefins employing a phenol to render the polymer slurry insensitive to air. 3,338,879, 8–29–67, Cl. 260—94.9.
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Lafferty, James M., to General Electric Co. Triggerable vacuum discharge devices with a gas producing trigger electrode. 3,331,981, 7–18–67, Cl. 313—178.
Lafferty, James M., to General Electric Co. Triggered vacuum gap device with rare earth trigger electrode gas storage means and titanium reservoir. 3,331,988, 7–18–67, Cl. 315—330.
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Lambers, Howard J., to Pneumo Dynamics Corp. Locking means for shock absorbers. 3,356,186, 12–5–67, Cl. 188—67.
Lambers, Kenneth D. Fabric clasp, hose supporter, garter and the like having hook and aperture clasping means. 3,346,928, 10–17–67, Cl. 24—246.
Lambert, Albert N., and B. B. Williams, to Texas Instruments Inc. Low voltage semi-conductor reference diode. 3,341,750, 9–12–67, Cl. 317—234.
Lambert, Alfred, to Lambert Frame and Picture Co., Inc. Clamps for picture frames. 3,345,715, 10–10–67, Cl. 24—259.
Lambert, Bernard A., to McKenzie & Brown Ltd. Vibratory apparatus. 3,301,385, 1–31–67, Cl. 198—220.
Lambert Brake Corp.: *See*—
Dasse, Lester F. 3,306,401.
Kershner, Osborn A. 3,345,112.
Kershner, Osborn A., and Matrau. 3,343,632.
Lambert, Chandley W. Vacuum clothes dryer. 3,308,553, 3–14–67, Cl. 34—92.
Lambert, Charles, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. High frequency electric discharge cell for use in gas chromatography. 3,336,493, 8–15–67, Cl. 313—231.
Lambert, Douglas R. M., and J. M. Sharkey, to National Dairy Products Corp. Method of and apparatus for handling cheese curd. 3,353,269, 11–21–67, Cl. 31—5.
Lambert Engineering Co.: *See*—
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Lambert, Eunice F. Carbon monoxide burner for automobile exhaust. 3,350,878, 11–7–67, Cl. 60—30.
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Lambert, Gordon L., J. T. Black, Jr., and L. V. Chafin, Jr., to H. K. Porter Co., Inc. Apparatus for transferring articles from one location to another location. 3,303,943, 2–14–67, Cl. 214—6.
Lambert, Henry. Electrical cable. 3,312,775, 4–4–67, Cl. 174—120.
Lambert, James H., to Peterson Machine Tool, Inc. Device for checking seat loading spring pressure of valves in internal combustion engines. 3,354,556, 11–28–67, Cl. 73—118.
Lambert, Joseph E., to Davol Rubber Co. Liquid container. 3,331,421, 7–18–67, Cl. 150—9.
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Lambert, Milton. Retractable high expansion from discharge nozzle with selectively closeable side and end openings. 3,316,972, 5–2–67, Cl. 169—15.
Lambert, Robert D., to Symington Wayne Corp. Liquid flow control method and apparatus. 3,307,331, 3–7–67, Cl. 55—55.
Lambert, Robert D., to Symington Wayne Corp. Power-operated loading ramp. 3,308,497, 3–14–67, Cl. 14—71.
Lambert, Robert L., and W. R. McKeirnan, to Sylvania Electric Products Inc. Storage battery electrode of sintered metal particles. 3,314,821, 4–18–67, Cl. 136—6.
Lambert, Robert L., and W. R. McKeirnan, to Sylvania Electric Products, Inc. Double cast porous electrode. 3,323,915, 6–6–67, Cl. 75—201.
Lambert, Robert L., and W. R. McKeirnan, to Sylvania Electric Products Inc. Process of manufacturing a storage cell electrode. 3,345,213. 10–3–67, Cl. 136—75.
Lambert, Robert M.: *See*—
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Lambert, Warren G. Pneumatic tire blow-out warning apparatus. 3,346,843, 10–10–67, Cl. 340—58.
Lambert, Warren G. Automotive speed zone control system. 3,353,619. 11–21–67, Cl. 180—98.
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Lamberti, Martin J. Pocket size combination toothbrush and paste dispenser. 3,353,898, 11–21–67, Cl. 401—132.
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Lamberti, Vincent, to Lever Bros. Co. Higher fatty acid esters of ether and thioether glycerols. 3,312,722, 4–4–67, Cl. 260—399.
Lamberti, Vincent, to Lever Bros. Co. Process for preparing detergent compositions. 3,328,305, 6–27–67, Cl. 252—89.
Lamberti, Vincent, to Lever Bros. Co. Method for the preparation of glycerol alpha ethers and thio ethers. 3,350,460, 10–31–67, Cl. 260—609.
Lamberton, Bruce A., to Construction Techniques, Inc. Method of forming piles. 3,309,878 3–21–67, Cl. 61—53.62.
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Lambertson, Glen R., to United States of America, Atomic Energy Commission. Charged particle extracting magnet for an accelerator. 3,323,088, 5–30–67, Cl. 335—210.
Lambertson, William A., to Perey Mfg. Co., Inc. Mounting means for turnstile rotor. 3,318,045, 5–9–67, Cl. 49—42.
Lambertson, William A., to Perey Mfg. Co., Inc. Wide armed turnstile roto. 3,318,046, 5–9–67, Cl. 49—42.
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Lambie, Alan J., G. T. Newbold, and M. B. Purdew, to Fisons Pest Control Ltd. 2-Nitro-3,4,5,6-tetrachloro-N-aliphetric-anilines. 3,332,998, 7–25–67, Cl. 260—573.
Lambie, Howard R., to Colt Ventilation & Heating Ltd. Ventilators. 3,334,569, 8–8–67, Cl. 98—116.
Lambie, Howard R., R. A. F. Burtenshaw, and P. H. Gowan, to Colt Ventilation and Heating Ltd. Fan ventilator with air shroud means. 3,306,179, 2–28–67, Cl. 98—43.
Lambie, Howard R., and R. A. F. Burtenshaw, to Colt Ventilation and Heating Ltd. Powered extract ventilator. 3,324,-784, 6–13–67, Cl. 98—43.
Lambiotte, Joseph C., to International Business Machines Corp. Pneumatic actuator for keyboard operated machine. 3,327,827, 6–27–67, Cl. 197—19.
Lambrech, Joseph A., deceased, by V. G. Lambrech, executrix, to Union Carbide Corp. Method of killing insects with 5,6,7,8-tetrahydro-1-naphthyl-N-methyl carbamate. 3,341,404, 9–12–67, Cl. 167—30.
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Lambrecht, Josef, and F. Eglseer, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Waste gas main for electric furnaces, particularly arc furnaces. 3,358,978, 12–19–67, Cl. 263—33.
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Lambros, George W., to Lockheed Aircraft Corp. Fluid-dynamic balancing mechanism for hinged structures. 3,323,760, 6–6–67, Cl. 244—90.
Lamburn, Alan S., R. L. Abbott, and J. R. Hillman, to Axel Wickman Transmissions Ltd. Fluid pressure circuit. 3,334,-530, 8–8–67, Cl. 74—781.
Lamburn, Alan S., and R. L. Abbott, to Axel Wickman Transmissions Ltd. Power transmission system. 3,350,960, 11–7–67, Cl. 74—701.
Lambuth, Alan L., to Monsanto Co. Method of preparing dry water-soluble animal blood. 3,324,103, 6–6–67, Cl. 260—112.
Lambuth, Alan L., to Monsanto Co. Method of preparing aqueous alkaline phenol-aldehyde condensates. 3,342,776, 9–19–67, Cl. 260—57.
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Lamkin, Elver B. and R. E., and F. G. Rest, to Lamkin Leather Co., Inc. Golf club grip for shafts with diametral variations. 3,360,264, 12–26–67, Cl. 273—81.
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Lamont, William A., to Nalco Chemical Co. Fatty acid esters of polyoxypropylated glycerol. 3,337,595, 8–22–67, Cl. 260—410.6.
Lamoreaux, Harry F., to General Electric Co. Siloxane polymers containing allylcinnamate groups. 3,296,196, 1–3–67, Cl. 260—46.5.
Lamoreaux, Harry F., to General Electric Co. Platinum addition catalyst system. 3,313,773, 4–11–67, Cl. 260—46.5.
Lamoreaux, Harry F., to General Electric Co. Trialkoxy vanadate curing agents for silanol-containing polysiloxanes. 3,334,066, 8–1–67, Cl. 260—46.5.
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La Mura, Joseph L. Cleaning machine. 3,328,821, 7–4–67, Cl. 15—102.

Lamy, Jacques E., to Societe d'Etude du Transport et de la Valorisation des Gaz Naturels du Sahara S.E.G.A.N.S. Immersed pipe structure. 3,326,000, 6–20–67, Cl. 61—1.

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Lancaster, William W., and A. Hopengarten, to Philco-Ford Corp. Controllable gain transistor amplifier utilizing current-variable impedance in emitter circuit for providing controllable signal degeneration. 3,309,617, 3–14–67, Cl. 330—28.

Lance, Bruce J. Pipe bending apparatus. 3,339,385, 9–5–67, Cl. 72—22.

Lance, Leonard D., to Schlumberger Technology Corp. Well tool retrieving apparatus. 3,321,016, 5–23–67, Cl. 166—123.

Lancerotto, Fabio, to Nuova San Giorgio S.p.A. Spindle-rail-lifting device for fly-frames. 3,348,371, 10–24–67, Cl. 57—99.

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Lancy, Leslie E. Metal waste solution sludge removal. 3,325,008, 6–13–67, Cl. 210—73.

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Lancz, Albert J., A. L. Schulerud, and C. L. Bechtold, to Colgate-Palmolive Co. Scouring pad and composition therefor. 3,337,465, 8–22–67, Cl. 252—91.

Land, Edwin H., to Polaroid Corp. Photographic apparatus. Re. 26,324, 12–19–67, Cl. 95—13.

Land, Edwin H., to Polaroid Corp. Vapor deposited silver precipitating agent in polymeric receiving layer and photographic use thereof. 3,295,972, 1–3–67, Cl. 96—29.

Land, Edwin H., to Polaroid Corp. Exposure control apparatus. 3,302,541, 2–7–67, Cl. 95—10.

Land, Edwin H., to Polaroid Corp. Semiautomatic camera instrumentation. 3,307,460, 3–7–67, Cl. 95—10.

Land, Edwin H., to Polaroid Corp. Color displays from triple lightness-distribution images. 3,312,781, 4–4–67, Cl. 178—5.4.

Land, Edwin H., to Polaroid Corp. Photographic film assemblage including processing liquid. 3,314,792, 4–18–67, Cl. 96—76.

Land, Edwin H., to Polaroid Corp. Dual mode control means. 3,315,579, 4–25–67, Cl. 95—10.

Land, Edwin H., to Polaroid Corp. Comparison photometer. 3,323,431, 6–6–67, Cl. 95—10.

Land, Edwin H., to Polaroid Corp. Photographic product and process of using same. 3,345,165, 10–3–67, Cl. 96—29.

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Land, Edwin H., R. J. Chen, J. W. Lothrop, and R. R. Wareham, to Polaroid Corp. Radio transmitter-camera combination. 3,295,426, 1–3–67, Cl. 95—11.5.

Land, Edwin H., and A. J. Sable, to Polaroid Corp. Photographic apparatus. 3,303,768, 2–14–67, Cl. 95—89.

Land, Edwin H., and H. G. Rogers, to Polaroid Corp. Photographic processes comprising stepwise control of dye developer diffusibility in alkali. 3,320,062, 5–16–67, Cl. 96—3.

Land, Edwin H., M. Green, and M. M. Morse, to Polaroid Corp. Diffusion transfer photographic process using 4,6-diamino-ortho cresol. 3,326,683, 6–20–67, Cl. 96—29.

Land, Edwin H., and H. G. Rogers, to Polaroid Corp. Photographic diffusion transfer color processes. 3,345,163, 10–3–67, Cl. 96—3.

Land, Edwin H., M. M. Morse, and E. L. Yankowski, to Polaroid Corp. Photographic process whereby a fully developed and fixed negative is formed concurrently with a positive silver transfer image. 3,345,166, 10–3–67, Cl. 96—29.

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Landau, Albert B. Display pack-mixing tray. 3,339,713, 9–5–67, Cl. 206—1.9.

Landau, Raphael. Method for the preparation of light-sensitive diazotype materials and improved materials prepared by such method. 3,353,984, 11–21–67, Cl. 117—34.

Landau, Richard E. Method and apparatus for constructing columns of material in soil. 3,303,656, 2–14–67, Cl. 61—63.

Landau, Richard E. Construction of support columns in soil. 3,336,760, 8–22–67, Cl. 61—53.6.

Landauer, Franz, G. Weckler, and M. Reuter, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Levelling agents for dyeing textile materials. 3,313,589, 4–11–67, Cl. 8—35.

Landauer, Gerd J., to Max-Planck-Gesellschaft zur Forderung der Wissenschaften E.V. Device for producing electro-magnetic oscillations of very high frequency. 3,313,979, 4–11–67, Cl. 315—39.

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Landecker, Kurt, to Research Corp. Closed-circular annular tank circuit for spark gap transmitter. 3,317,839, 5–2–67, Cl. 325—106.

Landell, William F., to Sperry Rand Corp. Memory organization wherein only new data bits which are different from the old are recorded. 3,311,893, 3–28–67, Cl. 340—172.5.

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Landen, William J., to The International Silver Co. Cartridge-type lipstick container or the like. 3,335,854, 8–15–67, Cl. 206—56.

Lander, Arthur G., and D. A. Hausmann, to American Pipe and Construction Co. Products made with furan resin. 3,301,278, 1–31–67, Cl. 138—145.

Lander, Arthur V., R. E. Scott, and M. J. Beechey, to General Motors Corp. Refrigerator cabinet assembly. 3,302,820, 2–7–67, Cl. 220—9.

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Landgraf, Hugo P., to Veb Wirkmaschinenbau Limbach-Oberfrohna. Warp-knitting machine. 3,355,911, 12–5–67, Cl. 66—84.

Landgraf, Walter D. Double utility typewriter spool. 3,295,655, 1–3–67, Cl. 197—175.

Landgraf, Walter D. Ribbon spool. 3,323,743, 6–6–67, Cl. 242—68.3.

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Landis, H. Richard, and T. E. Wright. Liquid cooling and dispensing device. 3,315,846, 4–25–67, Cl. 222—130.

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Landis, Mark H. Vacuum heads for disc grinders, sanders and the like. 3,299,584, 1–24–67, Cl. 51—362.
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Lanmon, C. P., II, to Schlumberger Technology Corp. Apparatus for well completion. 3,347,322, 10–17–67, Cl. 175—4.52.
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Lapeyre, James M., to The Laitram Corp. Process for individually treating headless shrimp. 3,345,682, 10–10–67, Cl. 17—45.
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La Pierre, Raymond J., to Merck & Co., Inc. Water-soluble benzimidazole-containing coordination compounds and methods relating thereto. 3,324,102, 6–6–67, Cl. 260—96.5.
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La Porte, Gerald E., J. D. Lear, and W. C. Whitcher, to Fedders Corp. Method of making radiators. 3,310,868, 3–28–67, Cl. 29—157.3.
La Porte, Gerald E., J. D. Lear, and W. C. Whitcher, to Fedders Corp. Method of making radiators. 3,310,869, 3–28–67, Cl. 29—157.3.
Laporte, Jean, F. Giolito, and H.-W. Schleicher, to Societe Progil. Protection of sintered aluminum from alteration in organic liquids. 3,306,773, 2–28–67, Cl. 134—2.
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Dear, William N. 3,297,411.
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Lappin, Gerald R., and J. W. Tambyln, to Eastman Kodak Co. Ultraviolet light stabilized polyester and polyolefin compositions. 3,3,310,525, 3–21–67, Cl. 260—45.95.
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Larkin, Sam. Automatic machines for forming an intermediate zig-zag wire and welding it to outer parallel wires. 3,310,075, 3–21–67, Cl. 140—112.

Larkin, Wallace K. Landing gear apparatus for light amphibious aircraft. 3,347,499, 10–17–67, Cl. 244—101.
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La Rosa, William A., J. A. Sargeant, and E. P. Troeger, to McDonnell Douglas Corp. Non-destructive quick leak tester. 3,343,404, 9–26–67, Cl. 73—49.3.
La Rouche, Adrian J. Charge support means for mortar weapon. 3,331,323, 7–18–67, Cl. 102—49.2.
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Larrison, John E., and B. G. Bender, to Hughes Aircraft Co. Magnetic pickup device. 3,297,352, 1–10–67, Cl. 294—65.5.
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Larrison, Millard S., to Weston Chemical Corp. Chlorine and/or bromine phosphates and thiophosphates. 3,333,027, 7–25–67, Cl. 260—930.
Larrison, Millard S., to Weston Chemical Corp. Chlorine and/or bromine phosphonates. 3,333,028, 7–25–67, Cl. 260—930.
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Larrison, Millard S., to Union Carbide Corp. Diphosphites. 3,354,241, 11–21–67, Cl. 260—929.
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Larrison, Owen D., to Phillips Petroleum Co. Photocell actuated signal attenuating device. 3,333,183, 7–25–67, Cl. 323—64.
Larrowe, Boyd T., to Burroughs Corp. Electronic plotting device. 3,320,409, 5–16–67, Cl. 235—151.
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Larsen, Aubrey A., J. E. Siggins, and J. H. Ackerman, to Sterling Drug, Inc. Esters of monocodinated benzoyloxyalkanoic acids. 3,317,569, 5–2–67, Cl. 260—347.4.
Larsen, Aubrey A., and R. H. Uloth, to Mead Johnson & Co. Anilides. 3,341,584, 9–12–67, Cl. 260—556.
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Larsen, Erling A. Golf swing training device. 3,352,559, 11–14–67, Cl. 273—187.
Larsen, Farrell G., to General Precision, Inc. Ammunition round. 3,334,588, 8–8–67, Cl. 102—42.
Larsen, Hans R., to Union Carbide Canada Ltd. Electrical cables insulated with polyethylene stabilized with a p-phenylphenol formaldehyde condensation product. 3,297,-478, 1–10–67, Cl. 117—232.
Larsen, Hans R., to Union Carbide Canada Ltd. Polyethylene blends containing trace amounts of polytetrafluoroethylene. 3,334,157, 8–1–67, Cl. 260—897.
Larsen, Hans R., to Union Carbide Canada Ltd. Rate-controlled vulcanization of polyethylene. 3,335,124, 8–8–67, Cl. 260—94.9.
Larsen, Hans R., to Union Carbide Canada Ltd. Static charge elimination in polyethylene. 3,357,966, 12–12–67, Cl. 260—94.9.
Larsen, Hugh W., to General Motors Corp. Vibration damper. 3,296,887, 1–10–67, Cl. 74—574.
Larsen, Hugh W., and C. E. Talaski, to General Motors Corp. Electrodynamic vibration producing apparatus. 3,331,239, 7–18–67, Cl. 73—71.6.
Larsen, John E., to General Electric Co. Method of introducing electrical conductors into conductor accommodating structure. 3,333,327, 8–1–67, Cl. 29—596.
Larsen, Kurt K., and A. I Pedersen, to Blue Gaint Equipment of Canada Ltd. Dock levellers. 3,316,575, 5–2–67, Cl. 14—71.
Larsen, Kurt R., and H. Brekell, to Aktiebolaget Svenska Flaktfabriken. Arrangement in multi-deck driers with roller conveyors. 3,296,713, 1–10–67, Cl. 34—205.
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Larsen, Norman B., to Matrix Laboratories, Inc. Disposable dispensing container. 3,298,575, 1–17–67, Cl. 222—399.
Larsen, Norman B., to Matrix Laboratories, Inc. Plant protector. 3,320,697, 5–23–67, Cl. 47—34.11.
Larsen, Norman B., to C. J. Webb, Inc. Composition for protecting metals against corrosion. 3,341,461, 9–12–67, Cl. 252—153.
Larsen, Olaf E., to Phillips Petroleum Co. Extrusion method. 3,309,436, 3–14–67, Cl. 264—25.
Larsen, Ralph L. Surface projectile game apparatus. 3,356,-370, 12–5–67, Cl. 273—176.
Larsen, Raymond B., to Electric Information Co. Frequency coded digital recording system. 3,354,463, 11–21–67, Cl. 346—74.
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Larsson, Bertil I., to Aktiebolaget Sigfried Stenberg. Method and a machine tool for cutting and/or treating threads of rod-shaped work pieces. 3,343,458, 9–26–67, Cl. 90—11.62.
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Lashua, Sherman C., to The Dow Chemical Co. N-hydroxymaleamic acid copolymer salts. 3,328,358, 6–27–67, Cl. 260—77.5.
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Leitl, George J. F. Golf buggies having a folding frame and retractable wheels. 3,319,973, 5-16-67, Cl. 280—42.
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Leitner, George J., to Geigy Chemical Corp. Non-ionic polyoxyethylene surfactant-ethylene-maleic anhydride copolymer printing compositions. 3,306,863, 2-28-67, Cl. 260—8.
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Leitner, Kajetan. Conical collar nuts having spaced flats. 3,311,148, 3-28-67, Cl. 151—41.73.
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Lembke, Andreas, and K. Von Milczewski. Brucellosis antigens. 3,342,684, 9-19-67, Cl. 167—78.
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Lemelson, Jerome H. Scanning apparatus for reading documents comprising a rotating scanning disc. 3,309,669, 3-14-67, Cl. 340—146.3.
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Lemelson, Jerome H. Particulate manufacture. 3,320,338, 5-16-67, Cl. 264—14.
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Levene, Martin L., and C. Lauxen, to Radio Corp. of America. Air bearing data storage apparatus. 3,329,942, 7–4–67, Cl. 340—174.1.
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Dallas, Michael S., and Hilton. 3,355,465.
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Levine, Albert K., F. C. Palilla, and M. Rinkevics, to General Telephone and Electronics Laboratories, Inc. Method of preparing vanadate phosphors. 3,357,925, 12–12–67, Cl. 252—301.4.
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Levine, Isaac J., to Union Carbide Corp. Poly(indophenines) from thiophenes and 5,5′-biisatins. 3,334,074, 8–1–67, Cl. 260—79.7.
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Levine, Seymour D., and P. A. Principe, to E. R. Squibb & Sons, Inc. 5β-cyano-A-norandrostane compounds. 3,346,616, 10–10–67, Cl. 260—464.
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Levis, William W., Jr., to Wyandotte Chemicals Corp. Process for production of unsymmetrical tetrahaloacetones. 3,325,545, 6–13–67, Cl. 260—593.
Levit, Edward C., L. F. Schroeder, and E. L. Rein, to Steelcase, Inc. Combination drawer and writing shelf. 3,317,-260, 5–2–67, Cl. 312—231.
Levit, Edward C., B. J. Fries, and R. P. Poppe, to Steelcase, Inc. Vertically adjustable support for chairs and the like. 3,327,985, 6–27–67, Cl. 248—408.
Levitch, Robert G., to Burlington Industries, Inc. Double backed pile carpet. 3,336,178, 8–15–67, Cl. 161—66.
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Butterfield, James F. 3,343,453.
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Levitt, Myron B., to Fairchild Camera and Instrument Corp. External rotor gyro motor speed detector. 3,321,705, 5–23–67, Cl. 324—70.
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Levy, Edward D., R. W. Weeden, and E M. Muller, to Union Carbide Corp. Foldable chair. 3,345,105, 10–3–67, Cl. 297—24.
Levy, Edward M., M. H. Spangler, and P. B. Swan, to Reflector Hardware Corp. Display rack. 3,335,874, 8–15–67, Cl. 211—176.
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Levy, Eugene J., and D. G. Paul, to Hewlett-Packard Co. Detection method and apparatus for gas chromatography. 3,329,005, 7–4–67, Cl. 73—23.1.
Levy, Eugene L., L. F. Herk, W. H. Stahl, and D. M. G. Lawrey. Automatic fraction collecting system for vapor phase chromatography. 3,301,040, 1–31–67, Cl. 73—23.1.
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Levy, Joseph, and R. M. Lusskin, to Universal Oil Products Co. Method for producing salicylaldehyde. 3,314,998, 4–18–67, Cl. 260—600.
Levy, Joseph, and J. Psihas, to Universal Oil Products Co. Process for the preparation of aromatic thiols. 3,326,981, 6–20–67, Cl. 260—609.
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Levy, Leon S., A. E. Wennstrom, and W. M. Cook, to Hughes Aircraft Co. Magnetic core circuit. 3,296,603, 1–3–67, Cl. 340—174.
Levy, Louis, and R. L. Van Den Hout. Flashlight attachment for clipboards. 3,297,862, 1–10–67, Cl. 240—6.4.
Levy, Louis, and R. L. Van Den Hout. Flashlight attachment for clipboards. 3,309,514, 3–14–67, Cl. 240—6.4.

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Levy, Sheldon G., D. A. Baker, and R. F. Monroe, to The Dow Chemical Co. Non-corrosive dry-cleaning composition. 3,337,471, 8–22–67, Cl. 252—153.
Levy, Stephen D., R. W. Addor, and R. J. Magee, to American Cyanamid Co. New heterocyclic organo-phosphate compounds. 3,317,561, 5–2–67, Cl. 260—327.
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Levy, Warren W., H. A. Schweriner, and D. Simons, to The Simco Co., Inc. Electrostatic pinning method and copyboard. 3,359,469, 12–19–67, Cl. 317—262.
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Lew, Baak W., to Atlas Chemical Industries, Inc. Polyol poly (hydrogen alkyl phosphite) monomers. 3,352,947, 11–14–67, Cl. 260—928.
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Lew, Heung. Pressing machines. 3,349,976, 10–31–67, Cl. 223—73.
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Lewakowski, John J., to Chrysler Corp. Method of forming a control valve for a servo system. 3,334,397, 8–8–67, Cl. 29—157.1.
Lewallen, William J., and J. F. Wood, to Shelly Oil Co. Reactivation of molecular sieves. 3,301,792, 1–31–67, Cl. 252—418.
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Lewandowski, Raymond F., and H. S. Tice, Jr., to Oak Electro/Netics. Push button switch. 3,339,428, 9–5–67, Cl. 74—483.
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Lewin, Otto, to Cole Steel Equipment Co., Inc. Cabinet. 3,325,-234, 6–13–67, Cl. 312—219.
Lewin, Seymour Z., to Warner-Lambert Pharmaceutical Co. Dry heating process for preparation of antacid compounds. 3,360,345, 12–26–67, Cl. 23—315.
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Kelley, Lawrence W., Lewis, and Provance. 3,360,386.
Lewis, Albert B. Scoop attachment for tractor three point hitch. 3,319,367, 5–16–67, Cl. 37—118.
Lewis, Albert D., to Owens-Illinois, Inc. Hypodermic injection device. 3,332,419, 7–25–67, Cl. 128—218.
Lewis, Albert D., to Owens-Illinois, Inc. Apparatus for forming the open end portion of small glass containers. 3,343,-937, 9–26–67, Cl. 65—274.
Lewis, Armand F.: *See*—
Schiller, Arthur M., Tanner, and Lewis. 3,309,261.
Lewis, Arthur M., to Clevite Corp. Electrostatic toner head and system. 3,342,164, 9–19–67, Cl. 118—637.
Lewis, Arthur M., and A. D. Brown, Jr., to Clevite Corp. Electrically operated character printer. 3,298,030, 1–10–67, Cl. 346—75.
Lewis, Benjamin A.: *See*—
Sassiver, Martin L., Lewis, and Shepherd. 3,345,367.
Sassiver, Martin L., Lewis, and Shepherd. 3,345,369.
Lewis, Benjamin A., M. L. Sassiver, and R. G. Shepherd, to American Cyanamid Co. Substituted 7-acetylamino cephalosporanic acids. 3,341,531, 9–12–67, Cl. 260—243.
Lewis, Benjamin A., M. L. Sassiver, and R. G. Shepherd, to American Cyanamid Co. Substituted 7-acetylamino cephalosporanic acids. 3,341,532, 9–12–67, Cl. 260—243.
Lewis, Benjamin A., M. L. Sassiver, and R. G. Shepherd, to American Cyanamid Co. Substituted 7-acetylamino cephalosporanic acids. 3,345,366, 10–3–67, Cl. 260—243.
Lewis, Benjamin A., M. L. Sassiver, and R. G. Shepherd, to American Cyanamid Co. Substituted 7-acetylamono cephalosporanic acids. 3,345,368, 10–3–67, Cl. 260—243.
Lewis, Bernard L., to Radiation Inc. Modulated corner reflector. 3,308,464, 3–7–67, Cl. 343—18.
Lewis, Bernard L., to Radiation Inc. Fresnel zone correcting antenna having a plurality of concentric spaced conical dielectric sections. 3,312,974, 4–4–67, Cl. 343—755.
Lewis, Carl M., to The Trane Co. Condenser fan speed control. 3,354,665, 11–28–67, Cl. 62—184.
Lewis, Charles E., to American Cyanamid Co. Cationic 1-alkyl-3-(2-hydroxy-1-naphthylazo pyridinium dyes. 3,312,-681, 4–4–67, Cl. 260—156.
Lewis, Charles E., to American Cyanamid Co. Polymeric fibers colored with cationic dyestuffs. 3,330,617, 7–11–67, Cl. 8—41.
Lewis, Clarence A., and J. F. O'Brien, to Champlain Co., Inc. Bi-directional electrical servo system. 3,355,640, 11–28–67, Cl. 318—18.
Lewis, Clifford J., and E. R. De Ment, to Southwest Enterprises, Inc. Process for producing iron oxide pigments. 3,341,347, 9–12–67, Cl. 106—304.
Lewis, Clyde P. Trailer hitch. 3,353,842, 11–21–67, Cl. 280—447.
Lewis, Dallas B., deceased (L. Parker, J. Heidt, and R. Gaston, executors). Multiphase separator. 3,306,446, 2–28–67, Cl. 210—114.
Lewis, Daniel W., and P. A. Tierney, to United States of America, Navy. Thermoelectric unit comprising intimate layers of gallium-indium alloy and alumina. 3,337,309, 8–22–67, Cl. 29—183.5.
Lewis, David W., to The M-O Valve Company Ltd. Cathode ray tube with means for splitting the electron beam into individually deflected and focused beams. 3,358,172, 12–12–67, Cl. 313—80.
Lewis, Donald E., and D. A. Biesecker. Pilot operated piston valve. 3,351,316, 11–7–67, Cl. 251—30.
Lewis, Dorothy D.: *See*—
Lewis, William D. 3,316,895.
Lewis, Earl C. Litter bag for automotive vehicles. 3,341,116, 9–12–67, Cl. 232—43.2.
Lewis, Earl C. Motorized telephone directory. 3,358,393, 12–19–67, Cl. 40—31.
Lewis, Edgar R., Sr. Fishing kite. 3,314,630, 4–18–67, Cl. 244—153.
Lewis, Edward F., to General Motors Corp. Quiet forced air system for automobiles. 3,306,177, 2–28–67, Cl. 98—2.
Lewis, Edward L., and V. Vartanian, to Kollmorgen Corp. Filter switching and bias adjusting means for use in a colorimeter. 3,304,832, 2–21–67, Cl. 88—14.
Lewis, Eric C., ½ to Alumasc Ltd. Waste disposal unit. 3,323,-714, 6–6–67, Cl. 232—43.2.
Lewis, Ernest E., and C. A. Maher, Jr., to General Electric Co. Power system control. 3,324,740, 6–13–67, Cl. 74—472.
Lewis, Evan T.: *See*—
Heth, Sherman C., and Lewis. 3,306,370.
Heth, Sherman C., Lewis, and Ronning. 3,331,195.
Lewis, Everett C., and R. G. Tallent, to Combustion Engineering Inc. Chemical recovery unit. 3,304,918, 2–21–67, Cl. 122—7.
Lewis, Everett C., and J. T. Reese, to Combustion Engineering, Inc. Corrosion reducing method and material for furnaces. 3,306,235, 2–28–67, Cl. 110—1.
Lewis, Frank D., Sr., and E. W. Rumrill, Jr., to Lockheed Aircraft Corp. Cartridge valve assembly. 3,347,260, 10–17–67, Cl. 137—315.
Lewis, Frank M., Jr.: *See*—
Hrubecky, Frederick J., and Lewis. 3,321,782.
Lewis, Frank S.: *See*—
Anderskow, Juel U., and Lewis. 3,313,467.
Lewis, G. B. Co.: *See*—
Olson, Elmer E. 3,340,995.
Lewis, Geoffrey A., to Joseph Lucas (Industries) Ltd. Gas turbine engine fuel systems. 3,327,759, 6–27–67, Cl. 158—36.
Lewis, George, and P. Arena, to Dahlberg Electronics, Inc. Ear canal hearing aid. 3,312,789, 4–4–67, Cl. 179—107.
Lewis, George D., to United Aircraft Corp. Bistable valve control. 3,330,483, 7–11–67, Cl. 239—265.23.
Lewis, George D., to United Aircraft Corp. Combustion instability reduction device. 3,359,737, 12–26–67, Cl. 60—265.
Lewis, George E., to Hydril Co. Underwater connector. 3,339,-632, 9–5–67, Cl. 166—.6.
Lewis, George E., to Hydril Co. Underwater control system. 3,353,594, 11–21–67, Cl. 166—.6.
Lewis, George L.: *See*—
Emslie, Robert S., Gulledge, Lewis, and Willcox. 3,328,-117.

Lewis, George L., and D. M. Sowards, to E. I. du Pont de Nemours and Co. Process for producing fibrous alkali metal titanates. 3,331,658, 7–18–67, Cl. 23—51.

Lewis, Gerald P., and P. Ruetschi, to The Electric Storage Battery Co. Multistage process for the concentration of heavy water in feed water comprising a mixture of water and heavy water. 3,306,832, 2–28–67, Cl. 204—101.

Lewis, Gordon M., to Bristol Siddeley Engines Ltd. Guards for air intakes of jet engines. 3,333,794, 8–1–67, Cl. 244—53.

Lewis, Harlan L., and R. E. Martin, to Owens-Illinois, Inc. Organopolysiloxane bead forming process and products. 3,334,065, 8–1–67, Cl. 260—46.5.

Lewis, Harrell J.: *See*—
Akin, George A., Lewis, and Reid. 3,334,149.

Lewis, Hector E., to Surgical Appliance Industries, Inc. Ankle brace. 3,298,365, 1–17–67, Cl. 128—80.

Lewis, Henry R., to Radio Corp. of America. High power laser incorporating plural tunable amplifier stages. 3,312,-905, 4–4–67, Cl. 330—4.3.

Lewis, Henry R., to Radio Corp. of America. Laser system employing means with no moving parts for producing an angularly rotatable beam of coherent light. 3,344,365, 9–26–67, Cl. 331—94.5.

Lewis, Irwin C.: *See*
Mitchell, Charles V., and Lewis. 3,347,776.

Lewis, Jack R., and G. D. Nagle. Battery terminal. 3,359,534, 12–19–67, Cl. 339—226.

Lewis, James E., and B. B. Graves, to Radiochemistry, Inc. Low level gas proportional counter construction. 3,297,897, 1–10–67, Cl. 313—93.

Lewis, James G., to The Imperial Tobacco Co. (of Great Britain and Ireland), Ltd. Pneumatic conveyors. 3,314,-734, 4–18–67, Cl. 302—64.

Lewis, James L., to Sterling Drug Inc. Spoon for extracting liquid from eggs. 3,326,205, 6–20–67, Cl. 128—1.

Lewis, James M.: *See*—
Sprague, Robert H., Stewart, and Lewis. 3,342,602.
Sprague, Robert H., Stewart, and Lewis. 3,342,604.
Sprague, Robert H., Stewart, and Lewis. 3,351,467.

Lewis, Jay L., to Robertshaw Controls Co. Sequence valve. 3,298,395, 1–17–67, Cl. 137—607.

Lewis, Jess A. Bushing and seal repair kit and method for installing the same. 3,322,476, 5–30–67, Cl. 308—36.1.

Lewis, Jess A. Method and apparatus for automatic transmission repair. 3,354,534, 11–28–67, Cl. 29—402.

Lewis, Jess A. Apparatus and method for clutch repair. 3,354,-996, 11–28–67, Cl. 192—85.

Lewis, John C., Jr.: *See*—
Reichert, Erwin C., and Lewis. 3,317,365.

Lewis, John D., to Vehoc Corp. Temperature drop detection means. 3,319,466, 5–16–67, Cl. 73—357.

Lewis, John D., M. C. Sze, and H. B. Kohn, to Vehoc Corp. Fluid distributor. 3,354,905, 11–28–67, Cl. 137—590.

Lewis, John G., to Emerson Electric Co. Motor bearing support bracket. 3,343,016, 9–19–67, Cl. 310—90.

Lewis, John G., and H. A. Ohlgren, to Nuclear Technical Service Corp. Method for forming a refractory metal or carbide coating on refractory materials and article. 3,306,764, 2–28–67, Cl. 117—61.

Lewis, John M.: *See*—
Aksu, Akin, Beeck, Brown, Lewis, Smith, and Strich. 3,329,926.

Lewis, John P. H. V. C. Razor with relative blade and guard adjustment with protecting means for one edge of a double-edge blade. 3,324,547, 6–13–67, Cl. 30—72.

Lewis, John R., to Safe Flight Instrument Corp. Control means. 3,312,121, 4–4–67, Cl. 74—480.

Lewis, John T.: *See*—
Feierstein, Harold E., and Lewis. 3,329,616.

Lewis, Karl R. Firearm barrel, shroud, frame, and cylinder construction. 3,303,594, 2–14–67, Cl. 42—59.

Lewis, Karl R., to Colts' Inc. Articulated sight. 3,323,215, 6–6–67, Cl. 33—53.

Lewis, Kenneth, and W. M. Yeths. Filter disk structure. 3,315,812, 4–25–67, Cl. 210—487.

Lewis, Leonard L. Locking device for aircraft controls. 3,330,504, 7–11–67, Cl. 244—83.

Lewis, Linford H. Container apparatus. 3,309,160, 3–14–67, Cl. 312—308.

Lewis, Martin, Jr.: *See*—
Abbott, William G. 3,323,188.

Lewis, Martyn A., to Ampex Corp. Motor drive circuits for bidirectional control of a drive motor. 3,360,707, 12–26–67, Cl. 318—308.

Lewis, Oliver G., H. H. Vickers, and H. C. North, to Esso Research and Engineering Co. Bi-axial stretching machine. 3,305,889, 2–28–67, Cl. 18—1.

Lewis, Orval M. Adjustable compensating tandem wheel suspension for vehicles. 3,304,097, 2–14–67, Cl. 280—104.5.

Lewis, Paul E., and W. L. Hollander, to A. B. Chance Co. Articulated crossarm assembly. 3,342,925, 9–19–67, Cl. 174—45.

Lewis, Paul G., to Sperry Rand Corp. Visible reference equipment. 3,302,318, 2–7–67, Cl. 40—102.

Lewis, Philip M., II: *See*—
Coates, Clarence L., Jr., and Lewis. 3,330,628.

Lewis, Raymond W.: *See*—
Lewis, Roy K. and R. W. 3,303,596.

Lewis Refrigeration Co.: *See*—
Cloudy, Westley R. 3,296,812.

Lewis, Reginald N., and I. R. Horne, to Bakelite Ltd. Polyepoxide carbocyclic diamine compositions. 3,349,060, 10–24–67, Cl. 260—47.

Lewis, Richard, and P. D. Pryor, to Glamouse Foundation, Inc. Stripping cutters for sewing machines. 3,329,113, 7–4–67, Cl. 112—130.

Lewis, Richard L., C. M. Barnes, and D. W. Smith, to The Bendix Corp. Pressure hold off valve. 3,339,579, 9–5–67, Cl. 137—493.2.

Lewis, Richard L., C. M. Barnes, and D. W. Smith, to The Bendix Corp. Pressure proportioning valve. 3,360,004, 12–26–67, Cl. 137—493.

Lewis, Richard R. Electrical connector and circuit kit. 3,343,-121, 9–19–67, Cl. 339—95.

Lewis, Robert A., to Henry Heide, Inc. Apparatus for dispensing confectionery materials. 3,332,583, 7–25–67, Cl. 222—255.

Lewis, Robert H.: *See*—
Rosen, Norman J., Lewis, and Stanley. 3,340,384.

Lewis, Roy K.: *See*—
Plummer, James W. 3,320,366.

Lewis, Roy K. and R. W. Fishbait container and float. 3,303,596, 2–14–67, Cl. 43—41.2.

Lewis, Samuel P., to Ingersoll-Rand Co. Core drill. 3,299,-971, 1–24–67, Cl. 175—92.

Lewis, Sheldon N.: *See*—
Nemec, Joseph W., Wolffe, and Lewis. 3,314,988.

Lewis, Sheldon N., to Rohm & Haas Co. Process for the preparation of alkoxymethoxyalkanols. 3,347,934, 10–17–67, Cl. 260—615.

Lewis, Silas D., to Atlas Chemical Industries, Inc. Stable explosive composition containing a polyhydric alcohol nitrate and alkali metal salicylate. 3,316,132, 4–25–67, Cl. 149—101.

Lewis Spring & Mfg. Co.: *See*—
Boy, Harold G. 3,342,052.

Lewis, Sterling R., to S & L Enterprise, Inc. Method and medium for preserving and packaging live fish. 3,306,256, 2–28–67, Cl. 119—3.

Lewis, Wallace J.: *See*—
Nelson, Jerome W., and Lewis. 3,328,556.

Lewis, Walter E., to General Electric Co. Self-cleaning oven with removable panels. 3,318,299, 5–9–67, Cl. 126—19.

Lewis, Walter E., and R. D. Chisholm, to General Electric Co. Air inlet means for self-cleaning oven. 3,348,023, 10–17–67, Cl. 219—391.

Lewis Welding and Engineering Corp.: *See*—
Hamilton, Wallace. 3,318,361.
Hamilton, Wallace. 3,347,416.

Lewis, William D., deceased (by D. D. Lewis, executrix), to D. D. Lewis. Device for collecting semen. 3,316,895, 5–2–67, Cl. 128—2.

Lewis, William D., to E. I. du Pont de Nemours and Co. Apparatus for codispensing a plurality of liquids. 3,325,056, 6–13–67, Cl. 222—94.

Lewis, William L.: *See*—
Kvavle, Robert C., and Lewis. 3,330,108.

Lewis, William L., to Esso Research and Engineering Co. Recovery of phenolic materials. 3,304,253, 2–14–67, Cl. 208—97.

Lewis, William R., to Esso Research and Engineering Co. Process for removing acidic compounds from aqueous solutions. 3,346,484, 10–10–67, Cl. 208—237.

Lewis, William R., W. E. Hanneman, and G. W. Woster, to Wilcox Electric Co., Inc. Method and apparatus for increasing the readability of amplitude modulated waves. 3,311,833, 3–28–67, Cl. 325—474.

Lewko, Jan: *See*—
Barwicz, Weislaw, and Lewko. 3,324,345.

Lewmar Marine Ltd.: *See*—
Lewery John L. 3,326,170.

Lexington Abrasive Belts, Inc.: *See*—
Prevette, Melvin H. 3,319,686.

Lexington Laboratories Inc.: *See*—
Kingery, William D., and Waugh. 3,351,688.

Ley, Edwin: *See*—
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Ley, Kurt: *See*—
Oertel, Harald, Ley, Rinke, and Thoma. 3,351,608.

Ley, Kurt, H. Walz, W. Redetzky, and H. Freytag, to Farbenfabriken Bayer Aktiengesellschaft. Age resisters, and stabilized rubber compositions containing same. 3,344,109, 9–26–67, Cl. 260—45.8.

Ley, Otto: *See*—
Körner, Otto, and Ley. 3,339,987.

Ley, Otto, to Diehl K.G. Chain link for track laying vehicles. 3,322,472, 5–30–67, Cl. 305—36.

Ley, Ralph G., to Blackstone & Co., Ltd. Internal combustion piston engines. 3,353,521, 11–21–67, Cl. 123—32.

Ley, Ralph G., to Blackstone & Co., Ltd. Internal combustion piston engines. 3,353,522, 11–21–67, Cl. 123—41.31.

Leybold-Anlagen Holding A.G.: *See*—
Nerge, Wilhelm, and Eilenberg. 3,354,609.

Leybold Hochvakuum Anlagen G.m.b.H.: *See*—
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Bachler, Werner G. 3,317,122.
Bachler, Werner G., and Forth. 3,342,405.
Grigull, Hans, and Mirgel. 3,335,462.
Lindberg, Albert. 3,322,934.
Lindberg, Albert, and Verfuss. 3,327,408.
Rollinger, Willy. 3,327,936.
Rollinger, Willy, and Bode. 3,314,599.

Leybold's, E., Nachfolger: *See*—
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Leyman Corp.: *See*—
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O'Neill, Joseph V., and Homanick. 3,299,957.

Leypold, Dieter, to Siemens & Halske Aktiengesellschaft. Frequency synthesizer for remotely controllable transmitter. 3,340,474, 9–5–67. Cl. 325—183.

Leysieffer, Hans: *See*—
Holzwarth, Herbert, Leysieffer, and Gabler. 3,307,119.

Leysieffer, Hans, to Siemens & Halske Aktiengesellschaft. Directional radio system with angle modulation. 3,310,740, 3–21–67, Cl. 325—2.

Leysieffer, Hans, and E. Gabler, to Siemens & Halske Aktiengesellschaft. Frequency stabilized frequency converting radio repeater with local frequency modulation. 3,308,379, 3–7–67, Cl. 325—3.

Leytool Ltd.: *See*—
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L'Heureux, Robert C., to International Telephone and Telegraph Corp. Character display panel having a plurality of glow discharge cavities including resistive ballast means exposed to the glow discharge therein. 3,334,269, 8–1–67, Cl. 315—58.

Li, Choh H., to The Regents of the University of California. Pituitary extract. 3,313,704, 4–11–67, Cl. 167—74.

Li, Eric F.-C.: *See*—
Ming, Yip, Li, and Cheng. 3,351,723.

Li, Kun: *See*—
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Li, Kwoh H.: *See*—
Noznick, Peter P., and Li. 3,313,305.

Li, Kwon H., R. H. Bundus, and P. P. Noznick, to Beatrice Foods Co. Prevention of pink color in white onions. 3,352,-691, 11–14–67, Cl. 99—154.

Li, Norman N., and L. B. Torobin, to Esso Research and Engineering Co. Additives for maintaining a dense dispersion of crystallizable material in countercurrent contact with an immiscible coolant. 3,303,121, 2–7–67, Cl. 208—37.

Li, Tao P.: *See*—
Muller, Herman L., and Li. 3,318,820.

Li, Yao-tzu. Mass flow meter. 3,350,936, 11–7–67, Cl. 73—194.

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Czajkowski, George J., and Liakakos. 3,296,118.
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Liang, Charles C.: *See*—
Hess, Richard A., and Liang. 3,340,097.

Liang, Max M.: *See*—
Yoshii, Hajime, and Liang. 3,359,548.

Liang, Max M., to Ampex Corp. Incremental tape drive recording system. 3,317,914, 5–2–67, Cl. 346—74.

Liang, Po-Lung, to Ford Motor Co. Hydrokinetic power transmission mechanism with speed ratio sensitive control signal source. 3,359,830, 12–26–67, Cl. 74—731.

Liao, Chien-Wei, to The Standard Oil Co. Amino borate esters. 3,303,208, 2–7–67, Cl. 260—462.

Liao, Tseng W.: *See*—
Lee, Thomas H., and Liao. 3,309,555.
Lee, Thomas H., and Liao. 3,309,575.

Libbert, Barbara A., to McDonnell Douglas Corp. Polycarbonate film containing an anti-reflection coating. 3,356,522, 12–5–67, Cl. 117—33.3.

Libbert Barbara A., to McDonnell Douglas Corp. Polystyrene film containing an antireflection coating. 3,356,523, 12–5–67, Cl. 117—33.3.

Libbey-Owens-Ford Glass Co.: *See*—
Babcock, Eugene W., and Vascik. 3,347,655.
Badger, Alfred E., and Herbert. 3,334,983.
Boicey, James H. 3,307,999.
Boicey, James H., and Marriott. 3,317,710.
Brady, Lorman G. 3,326,657.
Brown, Chester J., Jr. 3,325,298.
Browne, Charles M., and Beckham. 3,305,336.
Carson, Frank J., and Leflet. 3,348,935.
Carson, Frank J., and Ritter. 3,329,494.
Goeckel, Howard F., and Boicey. 3,323,204.
Helmbrecht, William L., Welker, and Krieger. 3,311,233.
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Leflet, Herbert A., Jr., and Carson. 3,325,267.
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O'Connell, Thomas B., Badger, Herbert, and Wilson. 3,323,927.
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Oelke, Waldemar W., Badger, Mambourg, and Mewbourne. 3,334,984.
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Ritter, George F., Jr. 3,338,695.
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Ryan, Joseph D. 3,351,518.
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Libbin, Herbert L., R. S. Frichette, Jr., and H. B. Huntress, to Abex Corp. Brake shoes. 3,341,931, 9–19–67, Cl. 29—420.5.

Libby, Carl F., to J. D. Riodan, and G. C. Libby, trustees of the Libby family trust. Filling finger for narrow web loom. 3,324,896, 6–13–67, Cl. 139—124.

Libby, Carl F., to J. D. Riordan and G. C. Libby, trustees of the Libby Family Trusts. Fabric compactor. 3,339,249, 9–5–67, Cl. 26—18.6.

Libby, Carl F., to J. D. Riordan and G. C. Libby, trustees of the Libby Family Trusts. Mechanism for regulating filling feed. 3,339,590, 9–5–67, Cl. 139—122.

Libby, Edwin L.: *See*—
Frank, Edgar H., Libby, and Watkins. 3,307,677.

Libby, Gertrude C.: *See*—
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Libby, Carl F. 3,339,249.
Libby, Carl F. 3,339,590.

Libby, Henry T., to General Electric Co. Electrode holder. 3,350,534, 10–31–67, Cl. 219—60.

Libby, Hugo L., to United States of America, Atomic Energy Commission. Graphical nulling device for nondestructive eddy current testing equipment. 3,351,852, 11–7–67, Cl. 324—40.

Libby, Hugo L., and C. R. Wandling, to United States of America, Atomic Energy Commission. Eddy current nondestructive testing device using an oscilloscope to identify and locate irregularities in a test piece. 3,302,105, 1–31–67, Cl. 324—40.

Libby, John N., and H. D. Moore, to United States of America, National Aeronautics and Space Administration. Reversible ring counter employing cascaded single SCR stages. 3,317,751, 5–2–67, Cl. 307—88.5.

Libby, Marvin, to Spotnails, Inc. Staple blank and staple element strip. 3,335,856, 8–15–67, Cl. 206—56.

Libeer, Marcel J.: *See*—
Depoorter, Henri, Libeer, and Nys. 3,359,113.
Depoorter, Henri, Van Mierlo, Libeer, and Nys. 3,305,-558.

Libeer, Marcel J., H. A. Pattijn, and J. M. Nys, to Gevaert Photo-Producten N.V. Methine dyes. 3,337,540, 8–22–67, Cl. 260—240.

Liben, William. Method of fabricating diaphragm assemblies. 3,314,866, 4–18–67, Cl. 204—3.

Liben, William, A. Alexander, and G. A. Hillman. Method of constructing evaporation masks. 3,342,706, 9–19–67, Cl. 204—11.

Liberman, Calvin. Process for recovering and defining scrap material. 3,320,051, 5–16–67, Cl. 75—43.

Liberman, Milton. Lighting fixture and mount therefor. 3,300,634, 1–24–67, Cl. 240—78.

Liberman, Milton. Hole forming apparatus. 3,357,282, 12–12–67, Cl. 77—77.

Liberson, Waldimir T.: *See*—
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Liberty Combustion Corp.: *See*—
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Libhart, Richard F., to AMP Inc. Method of measuring interface resistance in electrical connections. 3,335,365, 8–8–67, Cl. 324—64.

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Licari, James J.: *See*—
Sanz, Manual C., Wymer, and Licari. 3,350,250.

Licata, Joseph P., and F. T. Tucker, to General Motors Corp. Electric motor control circuit. 3,349,307, 10–24–67, Cl. 318—221.

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Link, Peter J., and B. O. Stieg, to Kimberly-Clark Corp. Papermaking machine. 3,328,959, 6–27–67, Cl. 242—58.3.
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Linkous, Clovis E., to General Electric Co. Methods for effecting coil-placing operations of electrical coil-accommodating members. 3,333,330, 8–1–67, Cl. 29—596.
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Lins, Stanley J. and R. G., to H. W. Grobe. Apparatus for illuminating handbags. 3,307,027, 2–28–67, Cl. 240—6.45.
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Linsker, Eugene, to Rockwell Mfg. Co. Machine tool. 3,318,391, 5–9–67, Cl. 173—19.
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Lion Yushi Kabushiki Kaisha: *See*—
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Loughlin, Bernard D., to Hazeltine Research, Inc. Black level control circuit for a television receiver utilizing a keyed A.G.C. 3,313,882, 4–11–67, Cl. 178—7.5.
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Loukes, David G., and A. S. Robinson, to Pilkington Bros. Ltd. Method of protecting the surface of the molten metal in a glass flotation operation. 3,356,475, 12–5–67, Cl. 65—26.
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Loveless, Marion W. Hydraulic operated lid for canning retort. 3,311,255, 3–28–67, Cl. 220—36.
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Lovell, Calvin H., H. S. Lowrie, and P. Yonan, to G. D. Searle & Co. N,N-diphenylcarbamoyl derivatives of N-amino (cyclic amines). 3,309,364, 3–14–67, Cl. 260—247.2.
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Maclam, James A., and R. E. O'Brien, to Kirkhof Mfg. Corp. Cake circle. 3,318,283, 5–9–67, Cl. 118—500.
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MacLaren, Donald D., and A. D. Reichle, to Esso Research and Engineering Co. Catalyst activation process. 3,360,481, 12–26–67, Cl. 252—420.
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MacLeod, Donald B., to Ampex Corp. Control system for wide-band recording and reproducing systems. 3,358,080, 12–12–67, Cl. 178—6.6.
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MacLeod, Norman A. Method and apparatus for therapy of skin tissue. 3,315,665, 4–25–67, Cl. 128—24.5.
MacLeod, Norman A., 36% to R. W. Whann, 18% to W. A. Selle, and F. F. Reed. Means and method for exercising joints and improving blood and lymph circulation therein. 3,329,142. 7–4–67, Cl. 128—40.
MacLeod, Norman M., to Small Business Administration. Automatic transfer machine. 3,332,818, 7–25–67, Cl. 156—351.
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MacMillan, Charles W., to Bear Mfg. Co. Indicating attachment for wheel alinement testers. 3,353,278, 11–21–67, Cl. 33—203.14.
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MacMillan, Francis S. K., to The Procter & Gamble Co. Para-(lower)alkoxybenzoylscopolamine. 3,312,709, 4–4–67, Cl. 260—292.
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Macoicz, Edward L., and A. H. Fitzpatrick, to General Electric Co. Electric water heater circuit. 3,353,001, 11–14–67, Cl. 219—321.
Macoicz, Edward L., and A. H. Fitzpatrick, to General Electric Co. Electric water heater circuit. 3,353,002, 11–14–67, Cl. 219—321.
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Macomber, James K. Speed control for reading pacer. 3,311,-998, 4–4–67, Cl. 35—35.
Macomber, James K., to Consolidated Lithographing Corp. Web attachment means for spools. 3,318,549, 5–9–67, Cl. 242—74.
Macomson, Wistar W., 50% to D. C. Page, Jr. Weft straightening apparatus and method. 3,296,676, 1–10–67, Cl. 26—51.3.
Macon, Charles E., R. S. Barton, P. A. Quantz, and G. T. Shimabukuro, to Burroughs Corp. Data processor. 3,354,-429, 11–21–67, Cl. 340—172.5.
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MacPherson, Allan. Last with insole retaining device. 3,337,-888, 8–29–67, Cl. 12—141.
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MacPherson, William G., to The Dow Chemical Co. Vinylidene chloride alkyl acrylate/acrylonitrile terpolymers and process for preparing the same. 3,297,666, 1–10–67, Cl. 260—80.5.
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Macura, Karl, F. J. Schmitz, and E. Siggel, to Vereinigte Glanzstoff-Fabriken AG. Treatment of polyethylene terephthalate filaments for improved rubber adhesion. 3,297,-467, 1–10–67, Cl. 117—47.
Macura, Karl, F. J. Schmitz, and E. Siggel, to Vereinigte Glanzstoff-Fabriken AG. Treatment of polyethylene terephthalate filaments for improved rubber adhesion. 3,297,-468, 1–10–67, Cl. 117—47.
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MacWilliams, Robert W., to Samuel Ward Mfg. Co., Inc. Display album. 3,344,794, 10–3–67, Cl. 129—20.
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Maddalozzo, Raymond J., to International Harvester Co. Temperature compensated fuel injection pump. 3,311,100, 3–28–67, Cl. 123—140.
Madden, Clarence L., Jr. Bicycle steering wheel. 3,336,817, 8–15–67, Cl. 74—552.
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Madden, Homer W. Container palletizing and depalletizing machine. 3,327,872, 6–27–67, Cl. 214—8.5.
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Madland, Rolf A., to Parker-Hannifin Corp. Hydraulic cushion. 3,322,039, 5–30–67, Cl. 91—405.
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Madrzyk, Edmund S., J. F. Collins, and A. Kramer, to Inland Steel Co. Method to improve impact properties of steels. 3,330,705, 7–11–67, Cl. 148—12.
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Madsen, Stanley W., and E. L. Payer, to Shieldalloy Corp. Nitrogen-containing alloy, and its preparation. 3,304,175, 2–14–67, Cl. 75—134.
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Maeda, Hisao. Parametron. 3,324,305, 6–6–67, Cl. 307—88.
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Siegrist, Adolf E., Maeder, Liechti, and Guglielmetti. 3,351,592.
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Maestre, Neil E., to United Aircraft Corp. Control circuit for voltage controlled oscillator. 3,311,751, 3–28–67, Cl. 307—88.5.
Maestrelli, Faffaello. Pneumatic-tired vehicle steered by vertical spaced guide track surfaces. 3,338,182, 8–29–67, Cl. 104—247.
Maffey, George E., Jr., to The Black and Decker Mfg. Co. Pivoted trigger means for power-operated reversible tool. 3,352,368, 11–14–67, Cl. 173—169.
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Magat, Eugene E., and D. Tanner, to E. I. du Pont de Nemours and Co. Graft copolymers of epoxyethylene groups of polyamide or polyester substrates. 3,338,985, 8–29–67, Cl. 260—830.
Magat, Michel, and A. Chapiro, to Centre National de la Recherche Scientifique Ministere de l'Education Nationale. Production of perhalogenated graft copolymers. 3,298,942, 1–17–67, Cl. 204—159.17.
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Magee, John E. Custody control for elevators whereby cars are stopped and doors held closed until externally opened. 3,297,109, 1–10–67, Cl. 187—29.
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Magee, John S., and W. S. Briggs, to W. R. Grace & Co. Process for preparing alumina having a narrow pore size distribution. 3,322,494, 5–30–67, Cl. 23—143.
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Magee, Philip S., to Chevron Research Co. Insecticidal compositions containing O-alkyl-S-alkyl phosphoroamidothioates and methods for killing insects therewith. 3,309,266, 3–14–67, Cl. 167—22.
Magee, Philip S., to Chevron Research Co. Preparation of vinyl phosphates, phosphinates and phosphonates from halomercuri carbonyl compounds and phosphite-type compounds. 3,318,981, 5–9–67, Cl. 260—971.
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Mageli, Orville L., C. S. Sheppard, and H. N. Schack, to Wallace & Tierman Inc. Gas-producing compositions and method of making cellular bodies. 3,306,862, 2–28–67, Cl. 260—2.5.
Mageli, Orville L., S. C. Westbrook, Jr., and J. B. Harrison, to Wallace & Tiernan Inc. Method of making diallyl phthalate ketone peroxide compositions. 3,326,809, 6–20–67, Cl. 252—188.3.
Mageli, Orville L., and S. C. Westbrook, Jr., to Wallace & Tiernan, Inc. Safe ketone peroxide compositions. 3,330,871, 7–11–67, Cl. 260—610.
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Magerlein, Barney J., to The Upjohn Co. Novel 1,4-dialkylprolines, derivatives thereof and process. 3,301,871, 1–31–67, Cl. 260—326.3.
Magerlein, Barney J., to The Upjohn Co. Composition containing lincomycin salt. 3,304,229, 2–14–67, Cl. 167—65.
Magerlein, Barney J., to The Upjohn Co. Process for the production of 6,8-dideoxy-6-(1,4-dialkyl-l-2-pyrrolidine-carboxamido) - 1 - thio - D - erythro-α-D-galacto-octopyranosides. 3,306,892, 2–28–67, Cl. 260—210.
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Meyer, Gerhard, Siggel, Schopf, and Magerlein. 3,352,-818.
Meyer, Gerhard, Siggel, Schöpf, and Magerlein. 3,356,-639.
Meyer, Gerhard, Siggel, Schöpf, and Magerlein. 3,356,-640.
Magerlein, Helmut, E. Siggel, and G. Meyer, to Vereinigte Glanzstoff-Fabriken AG. Process for the production of 4-methylpentene-1. 3,340,323, 9–5–67, Cl. 260—683.15.
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Magg, Alfred, H. Haessle, F. Schreiner, R. Liebel, K. Bredschneider, H. Buettner, E. Peterson, and R. Schrodt, to Zahnradfabrik Friedrichshafen A.G. Continuously variable transmission having extended drive ratio range. 3,340,749, 9–12–67, Cl. 74—689.
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Magne, Frank C., E. L. Skau, and R. R. Mod, to United States of America, Agriculture. Morpholides of a mixture of epoxidized saturated, and mono unsaturated fatty acids. 3,312,561, 4–4–67, Cl. 106—316.

Magne, Frank C., R. R. Mod, and E. L. Skau, to United States of America, Agriculture. Diesteramide plasticizers for vinyl chloride and nitrile rubber compositions. 3,318,837, 5–9–67, Cl. 260—32.6.

Magne, Frank C., R. R. Mod, and E. L. Skau, to United States of America, Agriculture. Diesteramide plasticizers. 3,340,-218, 9–5–67, Cl. 260—31.6.

Magner, James E.: *See*—
Long, Ray S., Ellis, Cox, and Magner. 3,329,484.

Magnesium Elektron Ltd.: *See*—
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Magnetic Controls Co.: *See*—
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Magnetic Instruments Co.: *See*—
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Eyberger, Harry. 3,333,497.

Magnetics, Inc.: *See*—
Van Allen, Roland L., and Hardies. 3,333,178.

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Magnin, Jean P., to Electro-Mechanical Research, Inc. Telemetering signal processing system. 3,313,922, 4–11–67, Cl. 235—92.

Magnino, Joseph J., Jr.: *See*—
Kaufman, Samuel, and Magnino. 3,350,695.

Magnus, Agatha C. Treatment of substances with ultrasonic vibrations and electro-magnetic radiations. 3,306,835, 2–28–67, Cl. 204—157.1.

Magnus, Finn H. Casting rig. 3,296,732, 1–10–67, Cl. 43—23.

Magnus, Finn H. Sun glasses having three pairs of different color tinted lenses. 3,356,439, 12–5–67, Cl. 351—47.

Magnus, Kurt, to The Kansas University Endowment Association. Pattern generating device. 3,320,818, 5–23–67, Cl. 74—5.22.

Magnusen, Howard C.: *See*—
Janke, Donald E., and Magnuson. 3,332,160.

Magnuson, Genevieve I.: *See*—
Nelson, Richard B. 3,336,481.
Simmons, Patrick M. L. 3,327,850.
Smith, Traver J. 3,295,406.

Magnuson, John E., to Pacific Car and Foundry Co. Material-handling vehicle. 3,352,442, 11–14–67, Cl. 214—767.

Magnuson, Lars G. B.: *See*—
Johansson, Fritz A., Lundgren, and Magnuson. 3,319,-728.

Magnuson, Raymond A., to Vogel-Peterson Co. Hanger receptacle and garment suspension apparatus employing the same. 3,342,344, 9–19–67, Cl. 211—113.

Magnuson, Raymond A., to Vogel-Peterson Co. Wardrobe. 3,343,902, 9–26–67, Cl. 312—238.

Magnuson, Raymond A., to Vogel-Peterson Co. Wall mounted post supported raised cabinet. 3,351,403, 11–7–67, Cl. 312—245.

Magnuson, Raymond A., to Vogel-Peterson Co. Surface-mounted hat and coat rack. 3,352,429, 11–14–67, Cl. 211—113.

Magnuson, Raymond A., to Vogel-Peterson Co. Garment rack. 3,358,847, 12–19–67, Cl. 211—177.

Magnuson, Robert: *See*—
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Nelson, Richard B. 3,336,481.
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Magnuson, Roland A., to Pacific Car and Foundry Co. Multistage reduction geared winch. 3,319,492, 5–16–67, Cl. 74—750.

Magnuson, Roy M.: *See*—
Smith, Traver J. 3,295,406.

Magnusson, Clas B. O.: *See*—
Schrewelius, Nils G., and Magnusson. 3,345,597.

Magnusson, Knut J., to Radio Corp. of America. Electrostatic printing apparatus. 3,319,546, 5–16–67, Cl. 95—1.7.

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Cannell, Lawrence G., and Magoon. 3,355,510.

Magoon, Fred L., to Demco, Inc. Valve control mechanism. 3,349,639, 10–31–67, Cl. 74—527.

Magorien, Vincent G., to Seaton-Wilson Mfg. Co., Inc. Flow stream immersed supporting structure. 3,334,659, 8–8–67, Cl. 138—39.

Magorien, Vincent G., to Seaton-Wilson Mfg. Co. Gas-oil separator. 3,358,424, 12–19–67, Cl. 55—168.

Magos, John P.: *See*—
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Magos, John P., K. B. Bredtschneider, and J. A. Englert, to Crane Co. Fabricated ball valve. 3,323,542, 6–6–67, Cl. 137—315.

Magrane, John K., to American Cyanamid Co. Synthetic paper of improved film-forming character and articles prepared therefrom. 3,346,432, 10–10–67, Cl. 156—330.

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Maguire, Addison C., to Rolls-Royce Ltd. Jet propulsion power plant for aircraft. 3,359,736, 12–26–67, Cl. 60—228.

Maguire, Charles V., to General Cable Corp. Flip cone for continuous high speed unwinding wire. 3,321,151, 5–23–67, Cl. 242—128.

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Maguire, Donald. Treatment of tobacco. 3,357,437, 12–12–67, Cl. 131—136.

Maguire, Edward C., deceased; by H. T. Maguire, and L. Pierson, executors. Work machines with tools in planetary and axial movement. 3,304,661, 2–21–67, Cl. 51—90.

Maguire, Helen T.: *See*—
Maguire, Edward C. 3,304,661.

Maguire, Philip F.: *See*—
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Maguire, Philip F., Jr., and L. A. J. Sousa, to Grinnell Corp. Lint collecting enclosure. 3,311,135, 3–28–67, Cl. 139—1.

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Magyar, Peter F., to The Budd Co. Method of producing balanced rotatable bodies. 3,307,251, 3–7–67, Cl. 29—406.

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Mahaffy, Reid A., Harder, and Pinney. 3,343,333.

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Mahaffy, Reid A., J. R. Harder, and W. W. Pinney, to Mahaffy & Harder Engineering Co. Packaging apparatus and method of packaging. 3,343,332, 9–26–67, Cl. 53—22.

Mahaffy, Reid A., J. R. Harder, and W. W. Pinney, to Mahaffy & Harder Engineering Co. Packaging apparatus. 3,343,333, 9–26–67, Cl. 53—112.

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Mahan, John E., R. E. Reusser, and C. W. Kruse, to Phillips Petroleum Co. Dehydrohalogenation process. 3,352,935, 11–14–67, Cl. 260—677.

Mahany, William J., to Electro-Cell Corp. Electrolytic apparatus. 3,330,755, 7–11–67, Cl. 204—230.

Mahar, John H.: *See*—
Schick, John W., and Mahar. 3,301,803.

Mahar, John H., to Esso Research and Engineering Co. Compacting of particulate metals. 3,340,024, 9–5–67, Cl. 29—192.

Mahar, John H., and R. V. Trense, to Esso Research and Engineering Co. Compacting of particulate metals. 3,341,-642, 9–12–67, Cl. 264—83.

Mahar, John H., and J. W. Schick, to Mobil Oil Corp. Plywood bonded with organic peroxy-coated poly-alpha-monoolefin films and method of making the same. 3,345,247, 10–3–67, Cl. 161—247.

Maher, Charles A., Jr.: *See*—
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Maher, Frank A., to Vapor Corp. Tube separator assembly for annular fluid tube coils. 3,357,484, 12–12–67, Cl. 165—76.

Maher, Joseph L., to Crest Engineering, Inc. Method and means for disposal of waste gas. 3,318,223, 5–9–67, Cl. 98—1.

Maher, Pat. Space vehicle simulating game. 3,352,557, 11–14–67, Cl. 273—110.

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Mahler, Joseph, to American Optical Co. Diffusion transfer of dichroic iodine stain in vectograph production. 3,307,-946, 3–7–67, Cl. 96—29.

Mahler, Peter A., and S. R. Martin, to The Singer Co. Circular knitting machine. 3,310,962, 3–28–67, Cl. 66—42.

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Mahler, Peter A., and W. A. Gunkel, to The Singer Co. Removable patterning assembly. 3,310,985, 3–28–67, Cl. 66—156.

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Mahn, Herbert, to North American Philips Co., Inc. Winding apparatus for data processing devices. 3,314,625, 4–18–67, Cl. 242—55.12.

Mahnkopf, Walter, to C. F. Boehringer & Soehne G.m.b.H. Process for protecting galvanized iron against attack by strong acids. 3,328,303, 6–27–67, Cl. 252—79.4.

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Mahon, John V., to Container Corp. of America. Easy open carton. 3,325,081, 6–13–67, Cl. 229—51.

Mahon, Joseph J., and R. N. Roberge, to General Time Corp. Unidirectional drive for small synchronous motors. 3,308,-315, 3–7–67, Cl. 310—41.

Mahon, R. C. Co., The: *See*—
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Mahoney, Donald T., to Addressograph-Multigraph Corp. Reset signalling device for variable data printing machine. 3,334,-582, 8–8–67, Cl. 101—45.

Mahoney, Edward H., to Seismograph Service Corp. Radio location system with lane indentification facilities. 3,303,-501, 2–7–67, Cl. 343—105.

Mahoney, Edward H., to Seismograph Service Corp. Hyperbolic continuous wave position finding system including ambiguity resolution. 3,303,502, 2–7–67, Cl. 343—105.

Mahoney, Edward H., and J. E. Hawkins, to Seismograph Service Corp. Radio location ranging system. 3,303,499, 2–7–67, Cl. 343—15.

Mahoney, Frank D. Sealing and exhausting device for containers. 3,343,701, 9–26–67, Cl. 215—52.

Mahoney, Frank D., H. E. Reed, and H. B. Uhlig, to Chevron Research Co. Bottom loading system for tank trucks and trailers. 3,319,645, 5–16–67, Cl. 137—267.

Mahoney, J. Marves. Cable scoring tool for stripping the covering from a coaxial cable. 3,330,036, 7–11–67, Cl. 30—90.1.

Mahoney, Jack L. Means for aiding hearing. 3,346,704, 10–10–67, Cl. 179—107.

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Mahoney, John P., Jr., to Honeywell Inc. Projecting apparatus having a rotary slide tray and a magnetic slide change mechanism. 3,343,454, 9–26–67, Cl. 88—27.

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Maier, Anton. Locking devices for mould closing mechanism. 3,346,925, 10–17–67, Cl. 18—30.

Maier, Anton. Hydraulic drive for machines. 3,359,725, 12–26–67, Cl. 60—51.

Maier, Eberhard, to Gibson-Thomsen Co., Inc. Apparatus for forming the bristles of a brush. 3,305,975, 2–28–67, Cl. 51—124.

Maier, Eckhard, to Elba-Werk Ettlinger Baumaschinen- und Hebezeugfabrik G.m.b.H. Movable apparatus for the manufacture of concrete. 3,347,532, 10–17–67, Cl. 259—154.

Maier, Elmar. Key holder. 3,313,137, 4–11–67, Cl. 70—456.

Maier, Karl, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 1-amino-4-hydroxy-2-(phenoxy and phenylthio) anthraquinones. 3,299,103, 1–17–67, Cl. 260—373.

Maier, Ludwig, to Monsanto Co. Process for preparing aminophosphines. 3,320,251, 5–16–67, Cl. 260—246.

Maier, Ludwig, to Monsanto Co. Process for exchanging halogen atoms for hydrocarbon radicals in phosphorus halide compounds. 3,321,557, 5–23–67, Cl. 260—968.

Maier, Ludwig, to Monsanto Co. Process for preparing organic dimeric dithiophosphonic anhydrides. 3,336,378, 8–15–67, Cl. 260—545.

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Maier, William. Extruded electrical outlet box. 3,324,227, 6–6–67, Cl. 174—65.

Maier, William. Method of making an electrical outlet box. 3,344,502, 10–3–67, Cl. 29—417.

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Main, Robert M., to Laboratory for Electronics, Inc. Air monitoring system having a scintillating plastic and a phosphorescent film with means to detect light pulses with different decay times. 3,339,070, 8–29–67, Cl. 250—71.5.

Maindonald, David C. Toasters for sliced bread and the like. 3,336,858, 8–22–67, Cl. 99—391.

Maine, Anthony C., D. S. Terrett, and D. J. Strong. Engine speed control including frequency and throttle position feedback. 3,305,723, 2–21–67, Cl. 290—40.

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Maine, Reuben E., to Electronic Concepts, Inc. Loran tracking and display means. 3,343,170, 9–19–67, Cl. 343—103.

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Maione, Theodore L., and P. S. McCabe, to Bell Telephone Laboratories, Inc. High frequency electrical power measuring bridge using radiant energy. 3,332,011, 7–18–67, Cl. 324—96.

Mair, George L. Method and apparatus for teaching. 3,359,651, 12–26–67, Cl. 85—9.

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Mais, Frank, to Bolkow Gesellschaft mit beschrankter Haftung. Missile launcher and loading system. 3,316,808, 5–2–67, Cl. 89—1.804.

Maissel, Leon I., B. L. Flur, and B. I. Bertelsen, to International Business Machines Corp. Process for cathodically sputtering magnetic thin films. 3,303,116, 2–7–67, Cl. 204—192.

Maitland, Arthur, to C. A. Parson & Co., Ltd. Magnetohydrodynamic apparatus. 3,354,328, 11–21–67, Cl. 310—11.

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Majcher, John, and R. H. Flick, to Westinghouse Electric Corp. Circuit breaker with removable fuse unit having securing screws used for removal of the fuse unit. 3,319,025, 5–9–67, Cl. 200—114.

Majcher, John, and R. H. Flick, to Westinghouse Electric Corp. Circuit interrupter. 3,345,481, 10–3–67, Cl. 200—114.

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Malone, Patrick C. Device for indicating vapor liquid ratio of fluid. 3,336,791, 8–22–67, Cl. 73—19.
Malone, Robert L., and G. W. Floyd, to Ex-Cell-O Corp. Photosensitive read-out device for apertured records. 3,351,765, 11–7–67, Cl. 250—219.
Malone, William R.: *See*—
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Maloney-Crawford Tank Corp.: *See*—
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Maloney, Daniel E., to E. I. du Pont de Nemours and Co. Composite with copolymer coating bonded to a polymeric substrate through acid halide units. 3,301,700, 1–31–67, Cl. 117—118.
Maloney, Daniel E., to E. I. du Pont de Nemours and Co. Composite with linear, random acid halide copolymer coating. 3,310,428, 3–21–67, Cl. 117—118.
Maloney, Daniel E., to E. I. du Pont de Nemours and Co. Process for preparing polymer solutions. 3,310,518, 3–21–67, Cl. 260—33.6.

Maloney, Daniel E., and R. W. Rees, to E. I. du Pont de Nemours and Co. Polyolefin blends containing free-radical ethylene polymers and minor amounts of isotactic polypropylene. 3,355,520, 11–28–67, Cl. 260—897.

Maloney, David L., P. G. Bielik, and L. A. Smitzer, to Bell & Howell Co. Microfilm recorder. 3,342,100, 9–19–67, Cl. 88—24.

Maloney, Eileen B.: *See*—
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Maloney, Merrill J.: *See*—
Dell, Harold R., and Maloney. 3,346,729.

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Maloney, Thomas C., to Burroughs Corp. Glow cathode indicator tube having memory. 3,315,115, 4–18–67, Cl. 313—210.

Maloof, Emile A. Fastening device. 3,295,578, 1–3–67, Cl. 151—11.

Malott, Thomas J., to The New York Air Brake Co. Valve. 3,295,551, 1–3–67, Cl. 137—596.

Malott, Thomas J., to The New York Air Brake Co. Hydraulic system. 3,355,994, 12–5–67, Cl. 91—412.

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Zimmerley, Stuart R., and Malouf. 3,333,953.
Zimmerley, Stuart R., Malouf, Prater, and Schellinger. 3,330,650.

Maloy, Arthur L. and R. W. Cunningham to Union Carbide Corp. Catalysts of production of 1-naphthol. 3,354,231, 11–21–67, Cl. 260—621.

Malpas, Charles H., to American Flange & Mfg. Co., Inc. Tap for a container including a probe and a valve assembly. 3,343,724, 9–26–67, Cl. 222—90.

Malpica, Jose M. Sensitive recording balance and scale for weighing heavy loads. 3,353,614, 11–21–67, Cl. 177—201.

Malroux, Rene, to Pulse Jet Corp. Pulse-jet engines of the valveless type. 3,354,650, 11–28–67, Cl. 60—249.

Malrov-United Hat & Cap Co., Inc.: *See*—
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Malsam, Albert C. Two-way terracing device. 3,345,764, 10–10–67, Cl. 37—110.

Malsey, Albert J., to Fairey Engineering Ltd. Power operated releasable pipe coupling. 3,339,947, 9–5–67, Cl. 285—315.

Malschner, Theo. Device and method for generating internal spherical surfaces. 3,315,549, 4–25–67, Cl. 77—58.

Malster, Robert L., to Polaroid Corp. Laminations. 3,313,-052, 4–11–67, Cl. 40—2.2.

Maltby, Frederick L. Capacitance measuring apparatus. 3,339,412, 9–5–67, Cl. 73—304.

Maltby, Frederick L., and H. Reifel, to Stevens-Arnold Inc. Start-stop pulse generators. 3,351,933, 11–7–67, Cl. 340—359.

Maltby, Raymond W., to General Motors Corp. Flow monitor. 3,344,667, 10–3–67, Cl. 73—239.

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Maltner, Wolfgang, to Heinrich Maltner, G.m.b.H. Gas lighter. 3,318,346, 5–9–67, Cl. 141—293.

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Malvin, Harry H., and M. J. Stansell, to United States of America, Air Force. Continuous flow gas chromatography apparatus having a wire mesh electrode. 3,341,732, 9–12–67, Cl. 313—231.

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Maly, George P., to Union Oil Co. of California. Consolidation of subterranean formations. 3,330,350, 7–11–67, Cl. 166—25.

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Čarniol, Bohdan, and Malý. 3,345,874.

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Malz, Hugo, and W. Göbel, to Farbenfabriken Bayer Aktiengesellschaft. Reaction products of antimony halides or oxides with thioglycollic or mercaptohydroxy alkanes. 3,317,576, 5–2–67, Cl. 260—446.

Malz, Hugo, and W. Gobel, to Farbenfabriken Bayer Aktiengesellschaft. Chlorine-containing polymers stabilized with antiminyl compounds. 3,347,821, 10–17–67, Cl. 260—45.75.

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Mambourg, James E., to Libbey-Owens-Ford Glass Co. Apparatus for preventing devitrification of molten glass at the joints of a glass furnace. 3,298,814, 1–17–67, Cl. 65—346.

Mambourg, James E., and W. E. McCown, to Libbey-Owens-Ford Glass Co. Apparatus for continuous production of glass sheets. 3,314,776, 4–18–67, Cl. 65—203.

Mamiya, Shigeo, to Kabushiki-Kaisha Saginomiya Seisakusho. Snap-action operating system in an electric switch. 3,344,-246, 9–26–67, Cl. 200—67.

Mammino, Joseph, W. C. Hamm, and M. C. Pease, to General Aniline & Film Corp. Photoconductive material and process for its preparation. 3,345,161, 10–3–67, Cl. 96—1.7.

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Crisci, Victor E. 3,329,305.

Mamo, Anthony. Boat release means for boat trailer. 3,353,-694, 11–21–67, Cl. 214—82.

Mamo, Anthony C., to Borg-Warner Corp. Friction engaging mechanism. 3,330,391, 7–11–67, Cl. 192—85.

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Man, Eugene H., to E. I. du Pont de Nemours and Co. Process for deswelling a water-swollen, highly hydrophylic gel fiber. 3,328,892, 7–4–67, Cl. 34—9.

Man, Wong C., ½ to W. K. Hung. Loom shuttles. 3,336,952, 8–22–67, Cl. 139—215.

Manak, Thomas S., to The Dow Chemical Co. Plastic tree band. 3,333,361, 8–1–67, Cl. 47—58.

Manaka, Kazuo, and T. Tomioka, to Tokyo Shibaura Electric Co., Ltd. Process of preparing filmy adhesive. 3,353,987, 11–21–67, Cl. 117—47.

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Manas, Herman D., to M.R.M. Co., Inc. Method and apparatus for adding liquid fill to containers having solids therein. 3,321,887, 5–30–67, Cl. 53—37.

Manas, Herman D., to M.R.M. Co., Inc. Accurate measure rotary filling machine. 3,335,767, 8–15–67, Cl. 141—147.

Manasia, Joseph P., to Shell Oil Co. Rapid curing fluidized bed coating composition. 3,336,251, 8–15–67, Cl. 260—18.

Manasia, Joseph P., and R. A. Allen, to Shell Oil Co. Fast curing fluidized bed coating composition. 3,344,096, 9–26–67, Cl. 260—18.

Manberg, Charles T-M, to Husqvarna Borstfabrik, Aktiebolaget. Bristle strip and brush comprising such a bristle strip. 3,314,097, 4–18–67, Cl. 15—182.

Mancebo, Lloyd, to United States of America, Atomic Energy Commission. Electrostatic deflection system. 3,323,000, 5–30–67, Cl. 315—26.

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Mancini, Lloyd, to Berg Electronics, Inc. Bi-metal circuit board connector. 3,317,888, 5–2–67, Cl. 339—258.

Mancl, Josephine A. Beverage container support. 3,313,508, 4–11–67, Cl. 248—229.

Mancuso, Arion, to Ilikon Corp. Pre-heater for molding material. 3,310,843, 3–28–67, Cl. 18—30.

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Mandarino, Vincent C., and R. A. Brenner, to Whirlpool Corp. Laundry machine with safety balancing mechanism. 3,307,424, 3–7–67, Cl. 74—573.

Mandarino, Vincent C., Jr.: *See*—
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Mandarino, Vincent C., Jr., and J. A. Lauck, Jr., to Whirlpool Corp. Combination washer-dryer with a suds trap. 3,314,254, 4–18–67, Cl. 68—20.

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Mandel, Gerald, deceased; (by K. Mandel, legal representative), F. F. Morehead, Jr., J. A. Kucza, and W. N. Hammer, to International Business Machines Corp. Preparing group II–VI compound semiconductor devices. 3,326,730, 6–29–67, Cl. 148—189.

Mandel, Gerald, deceased (by R. Mandel, administratrix), and F. F. Morehead, to International Business Machines Corp. Method of forming a fabricating semiconductor by doubly diffusion. 3,354,009, 11–21–67, Cl. 148—189.

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Mandel, Zoltan, to E. I. du Pont de Nemours and Co. Binder composition of a polymeric component, an epoxy resin and an alkylated melamine formaldehyde resin. 3,331,805, 7–18–67, Cl. 260—39.
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Mandelko, Melvin A. Tire handling machine. 3,358,730, 12–19–67, Cl. 157—1.17.
Mandelkorn, Joseph, to United States of America, National Aeronautics and Space Administration. Method of making a silicon semiconductor device. 3,311,510, 3–28–67, Cl. 148—1.5.
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Mandell, Harry C., Jr., to Pennsalt Chemicals Corp. Method of stripping resins. 3,335,088, 8–8–67, Cl. 252—143.
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Mandich, Louis I., to Lukens Steel Co. Steel. 3,310,441, 3,21–67, Cl. 148—36.
Mandl, Eleonore. Exercising and relaxing apparatus. 3,326,209, 6–20–67, Cl. 128—33.
Mandle, Richard M., and W. T. Straehle, to W. R. Grace & Co. Process for preparing a polishing compound and product. 3,298,807, 1–17–67, Cl. 51—307.
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Manecke, Siegfried E., to Robertshaw Controls Co. Switch mounting means having pivotally mounted switch-retaining spring means. 3,312,807, 4–4–67, Cl. 200—168.
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Manetti, Fred P., and L. Klier, to American Plasticraft Co. Mounting base for television picture tube components. 3,305,702, 2–21–67, Cl. 317—99.
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Manger, Willem H., and H. Verburg, to Shell Oil Co. Gas-liquid contactor with central supply conduit. 3,304,694, 2–21–67, Cl. 55—238.
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Mankoff, Lawrence L., and R. Nakata, to General Electric Co. High voltage capacitor assembly. 3,325,708, 6–13–67, Cl. 317—261.

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Manley, Roger E. W., to Blease Anaesthetic Equipment Ltd. Ventilation machines. 3,333,603, 8–1–67, Cl. 137—624.14.

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Mann, Charles G., to Weltronic Co. Production monitoring system with portable plug-in enabling switch. 3,346,696, 10–10–67, Cl. 179—2.

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Mann, Hans-Joachim, W. Pohl, and K. Simon, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of free flowing paraformaldehyde. 3,316,-309, 4–25–67, Cl. 260—615.5.

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Mann, Joseph K., to Varian Associates. High frequency tube coaxial transmission line. 3,309,631, 3–14–67, Cl. 333—33.

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Mann, Morley. Gas dryer. 3,358,428, 12–19–67, Cl. 55—387.

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of Michigan. Safety helmet retainer. 3,314,077, 4–18–67, Cl. 2—3.

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Marciniak, Edmund, to Societe d'Etudes et de Richuches de Materiel Textiles (Sermatex). Thread winding machine. 3,350,021, 10–31–67, Cl. 242—18.

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Marker, Hannes. Toe iron for safety ski bindings. 3,348,856, 10–24–67, Cl. 280—11.35.
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Markham, Charles E., to Emerson Electric Co. Humidity controller with thermal relay. 3,312,398, 4–4–67, Cl. 236—44.
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Markham, James P., to Hendrix Wire & Cable Corp. Secondary spreader. 3,336,436, 8–15–67, Cl. 174—146.
Markham, Junius, to Swel-Plug, Inc. Pipe end insert. 3,353,565, 11–21–67, Cl. 138—89.
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Märkl, Georg, and S. Friedrich, to Felten & Guilleaume Fernmeldeanlagen G.m.b.H. Communication system-line supervision and line fault location. 3,312,791, 4–4–67, Cl. 179—175.3.
Markland, Samuel M., O. H. Lampton, and J. J. Urrabaz. Universally self-adjusting fitting. 3,296,361, 1–3–67, Cl. 174—86.
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Markowitz, Jerome, to Allen Organ Co., Inc. Key biased reed switch for electronic musical instrument. 3,306,968, 2–28–67, Cl. 84—1.04.
Markowitz, Jerome, to Allen Organ Co., Inc. Electronic pipes. 3,327,044, 6–20–67, Cl. 84—1.01.
Markowitz, Jerome, and R. Hochleitner, Jr., to Allen Organ Co., Inc. Transient sound producing device. 3,334,172, 8–1–67, Cl. 84—1.6.
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Marks, Alexander A. Snow disposal units. 3,353,286, 11–21–67, Cl. 37—12.
Marks, Alfred L. Process for manufacturing organic fertilizer containing water soluble nitrogen from humic materials. 3,328,158, 6–27–67, Cl. 71—24.
Marks, Alvin M. Heat electrical power transducer. 3,297,887, 1–10–67, Cl. 310—4.
Marks, Alvin M. Electrically responsive light controlling device employing suspended dipole particles in a plastic film. 3,341,274, 9–12–67, Cl. 350—267.
Marks, Alvin M. Light polarizing structures. 3,350,982, 11–7–67, Cl. 88—24.
Marks, Alvin M. and M. M. Ultra violet light absorbing compositions having a suspension of submicron particles. 3,298,959, 1–17–67, Cl. 252—300.
Marks, Alvin M. and M. M. Casting composition for light polarizing film. 3,300,436, 1–24–67, Cl. 260—31.2.
Marks, Alvin M. and M. M. Laminator for securing continuous flexible film to a base. 3,322,598, 5–30–67, Cl. 156—382.
Marks, Alvin M. and M. M., C. L. Wilson, and B. L. Orofino; said Wilson and Orofino assignors to said A. M. and M. M. Marks. Abrasion resistant coating of organic polymer, inorganic polymer, and monomers reactive therewith. 3,324,055, 6–6–67, Cl. 260—17.
Marks, Alvin M., and M. M. Electrically conductive transparent materials. 3,357,930, 12–12–67, Cl. 252—518.
Marks, Burton S., and R. S. Sedgwick, to Continental Can Co., Inc. Resinous compositions comprising (A) butadiene-acrylonitrile-carboxylated terpolymer, (B) polyepoxide, (C) flexibilizing polymer, and (D) dicyandiamide. 3,312,754, 4–4–67, Cl. 260—837.
Marks, Burton S., and R. S. Sedgwick., to Continental Can Co., Inc. Adhesive compositions comprising carboxyl polymers and polyepoxides. 3,334,057, 8–1–67, Cl. 260—23.
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Marks, Franklin E., and D. G. Fischer, to Square D Co. Lay-in duct for electrical wiring. 3,312,251, 4–4–67, Cl. 138—158.
Marks, George B. Terminal sheath. 3,347,976, 10–17–67, Cl. 174—71.
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Marks, Meyer, to Hazeltine Research Inc. Chrominance takeoff circuit. 3,336,438, 8–15–67, Cl. 178—5.4.
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Marks, Alvin M. and M. M. 3,322,598.
Marks, Alvin M., and M. M. 3,357,930.
Marks, Alvin M. and M. M., Wilson, and Orofino. 3,324,055.
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Marks, Ronald H., and R. H. Millard, to American Can Co. Apparatus for treating a web material. 3,323,298, 6–6–67, Cl. 57—32.
Marks, Theodore, and J. T. Gelardi, to American Technical Machinery Corp. Brush making apparatus. 3,322,467, 5–30–67, Cl. 300—2.
Marks, William J. Protective abdominal plate for use with vehicle safety belts. 3,300,247, 1–24–67, Cl. 297—385.

Marks, William M., and J. E. Ashworth, to Dresser Industries, Inc. Split hook hoisting apparatus. 3,351,372, 11–7–67, Cl. 294—81.
Marktscheffel, Fritz B., and W. C. Feist, to Esso Research and Engineering Co. Copolymers of aromatic heterocyclic compounds having ethylenically unsaturated side chain and alpha mono olefins. 3,332,919, 7–25–67, Cl. 260—88.1.
Markus, George, to Evans-Aristocrat Industries, Inc. Plastic sealing method and apparatus. 3,306,328, 2–28–67, Cl. 150—38.
Markwardt, Fritz, P. Walsmann, G. Schafer, and H. Topfer, to Veb Arzneimittelwerk Dresden. Hirudine from leeches and process for recovery thereof. 3,300,383, 1–24–67, Cl. 167—74.
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Marland, Ian: *See*—
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Marley, James E., L. E. Roberts, and J. A. Ward, to AMP Inc. Insulation piercing electrical connection. 3,320,354, 5–16–67, Cl. 174—84.
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Maroth, Arthur M. Radial roller anti-friction transmission. 3,308,674, 3–14–67, Cl. 74—424.8.
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Platus, David L., Marovich, and Cunningham. 3,360,081.
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Marquart, Gordon L.R., and R. A. Michael, to Deere & Co. Vehicle planetary transmission with PTO. 3,352,166, 11–14–67, Cl. 74—15.84.
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Marquis, David M., to Chevron Research Co. Solubilization process. 3,330,775, 7–11–67, Cl. 252—363.5.
Marquis, David M., to Chevron Research Co. Higher alkylphenyl sulfamate salt compositions. 3,342,856, 9–19–67, Cl. 260—500.
Marquis, David M., to Chevron Research Co. Detergent bars having lime soap dispersing characteristics. 3,355,389, 11–28–67, Cl. 252—121.
Marquis, David M., to Chevron Research Co. Disulfonate anti-caking agents for straight-chain sulfonate detergents. 3,356,709, 12–5–67, Cl. 252—138.
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Marra, Ivan L., to Fre-Mar Industries. Tool for fabricating attachment clips. 3,352,142, 11–14–67, Cl. 72—387.
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Marraffino, Leonard L. Plural source heated fluid mixing head. 3,300,095, 1–24–67, Cl. 222—146.
Marraffino, Leonard L. Mixing head. 3,300,144, 1–24–67, Cl. 239—307.
Marraffino, Leonard L. Mixing head. 3,335,961, 8–15–67, Cl. 239—305.
Marraffino, Leonard L. Mixing head with secondary fluid adapted for connection with discharge means of primary fluid container. 3,338,479, 8–29–67, Cl. 222—193.
Marraffino, Leonard L. Heating and mixing device for aerosol dispensing. 3,341,079, 9–12–67, Cl. 222—136.
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Marrapese, Marius W., and E. W. Wirth, to Autocrat Corp. Vent and air inlet assembly. 3,315,586, 4–25–67, Cl. 8—62.
Marriage, Edmund P. Apparatus for the bulk storage of particulate material such as grain. 3,312,022, 4–4–67, Cl. 52—169.
Marrinan, Henry J., and E. I. Riseley, to Imperial Chemical Industries Ltd. Fibrous, non-woven sheet materials and the production thereof. 3,317,335, 5–2–67, Cl. 117—11.
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Marsh, John R., to Mobil Oil Corp. Reclosable dispenser. 3,333,690, 8–1–67, Cl. 206—57.
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Brindell, Gordon D., and Marshall. 3,340,328.
Marshall, Don J., to Goodall Semi-Metallic Hose & Mfg. Co. Out of round gauge attachment for a wheel balancing stand. 3,315,366, 4–25–67, Cl. 33—172.
Marshall, Don J., to Goodall Semi-Metallic Hose & Mfg. Co. Industrial wheel balancing device. 3,335,611, 8–15–67, Cl. 73—484.
Marshall, Don J., to Goodall Semi-Metallic Hose & Mfg. Co. Wheel balancing stand. 3,352,161, 11–14–67, Cl. 73—484.
Marshall, Fay E., and W. A. K. Gould. Process of making ground conditioner. 3,335,019, 8–8–67, Cl. 106—135.
Marshall, George C., Jr. Wheel jack bracket. 3,300,183, 1–24–67, Cl. 254—133.
Marshall, George S.: *See*—
Weatherston, Richard W., and Marshall. 3,321,196.
Marshall, Gerald. Parenteral injection devices. 3,358,684, 12–19–67, Cl. 128—214.4.
Marshall, Gerald F., to Ferranti Ltd. Parallel light fibers with longitudinal axes making oblique angle with display surface of cathode ray tubes. 3,360,672, 12–26–67, Cl. 313—92.
Marshall, Glenn T. Apparatus for continuous strip plating. 3,328,281, 6–27–67, Cl. 204—279.
Marshall, Hedley S. B.: *See*—
Cooper, Kenneth G., and Marshall. 3,303,048.
Harris, Glyn I., and Marshall. 3,338,844.
Marshall, Howard D.: *See*—
Brader, Kenneth K., and Marshall. 3,343,077.
Marshall, J. Howard: *See*—
Webb, James, and Marshall. 3,321,628.
Marshall, James C.: *See*—
Mueller, Ronald H., and Marshall. 3,309,180.
Marshall, James C., and H. G. Smith, to United States of America, Atomic Energy Commission. Brazing alloys for tungsten and molybdenum. 3,312,539, 4–4–67, Cl. 29—198.
Marshall, James C., J. A. McGurty, and G. Korton, to United States of America, Atomic Energy Commission. Refractory metal brazing product and process. 3,316,069, 4–25–67, Cl. 29—198.
Marshall, James C., and R. H. Mueller, United States of America, Atomic Energy Commission. Niobium-silicon brazing alloy for refractory metals. 3,317,288, 5–2–67, Cl. 29—198.
Marshall, John D.: *See*—
Boger, Harold J., and Dunmore. 3,358,718.
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Marshall, John H.: *See*—
Warman, Bloomfield J., and Marshall. 3,347,993.
Marshall, John M.: *See*—
Taylor, Harold L., and Marshall. 3,360,202.
Marshall, John T. Diving board construction. 3,329,426, 7–4–67, Cl. 272—66.
Marshall, John W. Rotary pumps and engines. 3,297,006, 1–10–67, Cl. 123—13.
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Marshall, Louis, to The Lummus Co. Process for removal of water from light hydrocarbon fluid mixtures by distillation. 3,330,124, 7–11–67, Cl. 62—20.
Marshall, Maurice B., and D. H. MacDonald. Method of making thermoelectric generators. 3,300,840, 1–31–67, Cl. 29—155.5.

Marshall, Mervin D., and R. M. Adams, to Callery Chemical Co. Heterocyclic boron-nitrogen compounds. 3,320,310, 5–16–67, Cl. 260—551.
Marshall, Philip: *See*—
Blakeway, John M., and Marshall. 3,346,505.
Marshall, Preston F.: *See*—
Spicer, Ronald F., and Marshall. 3,344,596.
Marshall, Preston F., to The Kendall Co. Slub yarn and process therefor. 3,332,227, 7–25–67, Cl. 57—144.
Marshall, Preston F., to The Kendall Co. Composite yarn and process therefor. 3,336,743, 8–22–67, Cl. 57—144.
Marshall, Preston F., to The Kendall Co. Variable denier wrapped yarn. 3,357,171, 12–12–67, Cl. 57—160.
Marshall, Richard G.: *See*—
Buechler, William R., and Marshall. 3,328,757.
Marshall, Richard G., and J. C. Littmann, to Chrysler Corp. Vehicle automatic speed warning and speed control device. 3,322,226, 5–30–67, Cl. 180—106.
Marshall, Samuel J. E. Pumps. 3,299,823, 1–24–67, Cl. 103—119.
Marshall, Thomas R., to Sigmamotor, Inc. Apparatus for the injection of radio-opaque liquid in angiography. 3,313,291, 4–11–67, Cl. 128—2.
Marshall, Walton H., Jr. Process for production of hydrogen. 3,297,408, 1–10–67, Cl. 23—212.
Marshall, William B., deceased, (by C. E. Marshall, administratrix), and H. W. Norman; said Norman, assor. to Motorola Inc. Method of growing crystals having a triangular cross section. 3,335,035, 8–8–67, Cl. 148—1.6.
Marshall, William C. Floor protector mat for desk chair. 3,333,805, 8–1–67, Cl. 248—188.9.
Marshall, William E.: *See*—
Bell, Samuel A., and Marshall. 3,306,238.
Marshall, William J.: *See*—
Hanke, Albert R., and Marshall. 3,298,847.
Marshall, William J., H. R. Linton, and M. E. Cupery, to E. I. du Pont de Nemours and Co. Nacreous glass flake pigment compositions. 3,331,699, 7–18–67, Cl. 106—291.
Marshall, Wilton R.: *See*—
White, William E., Jr., Marshall, and Walker. 3,305,018.
Marsili, Domenick. Ravioli making apparatus. 3,299,835, 1–24–67, Cl. 107—1.
Marson, Emilio. Reinforced flooring tile. 3,344,570, 10–3–67, Cl. 52—315.
Marson Fastener Corp.: *See*—
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Di Maio, Anthony E. 3,359,778.
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Smith, E. Q., Jr., Marson, Hewitt, and Hage. 3311747.
Marstein, Kaare: *See*—
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Marsters, William D. Building structure with panel connecting means. 3,333,376, 8–1–67, Cl. 52—82.
Marszal, Leonard E. Retracting stop for positioning strip material in a blanking die. 3,358,539, 12–19–67, Cl. 83—391.
Martau, Virgil A.: *See*—
Kershner, Osborn A., and Matrau. 3,343,632.
Martel, Jacques, and C. Huynh, to Roussel-UCLAF S.A. Process for the preparation of substituted γ-lactones from tetrahydrothiapyran-1,1-dioxides and product. 3,320,285, 5–16–67, Cl. 260—343.6.
Martel, Jacques, E. Toromanoff, and C. Huynh, to Roussel UCLAF. Colchicine intermediates and preparation thereof. 3,329,694, 7–4–67, Cl. 260—410.9.
Martel, Richard A., to General Precision, Inc. Method of lubricating vitreous fibres. 3,297,470, 1–10–67, Cl. 117—54.
Martel, Richard A., to General Precision, Inc. Electroluminescent display matrix with long persistence. 3,344,279, 9–26–67, Cl. 250—211.
Martel, Richard A., to General Precision, Inc. Electroluminescent-photoconductive display with long persistence. 3,344,-280, 9–26–67, Cl. 250—213.
Martell, Fred, and C. Lefferson, to International Exhibits, Inc. Water gun and target with inflatable indicator. 3,336,030, 8–15–67, Cl. 273—101.
Martell, Michael J., Jr.: *See*—
Bitha, Panayota, Hlavka, and Martell. 3,341,585.
Bitha, Panayota, Hlavka, and Martell. 3,341,586.
Martell, Michael J., Jr., and A. S. Tomcufcik, to American Cyanamid Co. 7-imidomethyl-6-demethyl-6-deoxytetracyclines. 3,345,379, 10–3–67, Cl. 260—326.13.
Martelli, Homer A., to Union Camp Corp. Display package having a channel for fluid dispensing to the outside. 3,333,-684, 8–1–67, Cl. 206—45.31.
Martelli, Nerio, to Solvay & Cie. Automatic rotary machine for blowing hollow bodies, particularly bottles, of thermoplastic material. 3,344,471, 10–3–67, Cl. 18—5.
Martelli, Nerio, and E. Colinet, to Solvay & Cie. Process for the manufacture of hollow articles. 3,310,620, 3–21–67, Cl. 264—90.
Marten, Hans-Friedrich, to Siegener Maschinenbau G.m.b.H. Method and apparatus for controlling thickness of elongated workpieces. 3,315,507, 4–25–67, Cl. 72—16.
Marten, Jerome H., to Chemical Construction Corp. Synthesis of melamine. 3,328,401, 6–27–67, Cl. 260—249.7.
Marten, Jerome H., to Chemical Construction Corp. Urea synthesis process. 3,354,205, 11–21–67, Cl. 260—555.
Martens, Alexander E.: *See*—
Coombs, William F., Jr., and Martens. 3,338,089.
Martens, Alexander E., to Bausch & Lomb Inc. Temperature compensating system. 3,338,680, 8–29–67, Cl. 23—253.
Martens, Alexander E., and J. J. Chisholm, to Bausch & Lomb Inc. Particle counter. 3,349,227, 10–24–67, Cl. 235—92.
Martens, Herbert A.: *See*—
Persia, Raymond J., Arnold, and Martens. 3,321,589.
Martens, Jack E., to The Anderson Co. Headrest positioning mechanism. 3,311,413, 3–28–67, Cl. 297—410.
Martens, Jack E., to American Motors Corp. Door lock striker. 3,350,128, 10–31–67, Cl. 292—341.12.
Martens, Jack E., to The Anderson Co. Position retaining device. 3,350,135, 10–31–67, Cl. 297—355.
Martens, Vincent A., and R. B. Reynolds, to Scovill Mfg. Co. Food mixer with combined beater ejector and latch release button on handle. 3,357,682, 12–12–67, Cl. 259—1.
Martensen, Uwe H., to International Harvester Co. Plow bottom positioner. 3,305,030, 2–21–67, Cl. 172—740.
Martensson, Kjell H., to AB Tetra Pak. Device for applying covering wafers, labels or the like to a continuously or intermittently advanced web of material. 3,325,335, 6–13–67, Cl. 156—498.
Martensson, Kjell H., to AB Tetra Pak. Device for producing a locally defined stamped and/or printed pattern repeated at predetermined intervals on a moving web of sheet material. 3,331,319, 7–18–67, Cl. 101—291.
Marter, Andre, and J. Taillardat, to Esso Standard Societe Anonyme Francaise. Preparation of oils of high solvent character. 3,303,125, 2–7–67, Cl. 208—264.
Marti, Markus, and M. Hoppe, to Inventa A.-G. fur Forschung und Patentverwertung. Process of hardening epoxide resin and product produced. 3,310,529, 3–21–67, Cl. 260—47.
Martignoni, Angelo P.: *See*—
Spivak, Walter A., McQuilkin, and Martignoni. 3,334,846.
Martin, Alan P.: *See*—
Bielstein, George P. R., and Martin. 3,347,098.
Martin, Albert R. Heat control for kiln. 3,351,331, 11–7–67, Cl. 263—40.
Martin, Alexander I.: *See*—
Nissen, Hans G., and Martin. 3,320,873.
Martin, Alfred and M. J. Bathtub support device. 3,295,146, 1–3–67, Cl. 4—185.
Martin, Alfred D.: *See*—
Harris, Lionel R. F., Bray, Knight, Peddle, Ward, Speed, Allum, Mann, Simmons, Douglas, and Martin. 3,317,-675.
Martin, Alfred W., to Celanese Corp. Recovery of a trioxane from dilute solutions. 3,313,713, 4–11–67, Cl. 203—92.
Martin, Allan D., and I. S. Houvener, to The Dow Chemical Co. Extrusion apparatus and products therefrom. 3,358,-329, 12–19–67, Cl. 18—14.
Martin, Alphonse. Film driving device for a motion picture apparatus. 3,357,780, 12–12–67, Cl. 352—166.
Martin, Arno: *See*—
Bohmann, Werner, Held, Martin, Göpel, Wirths, Hunlich, and Finsterwalder. 3,318,780.
Martin, Bart G., to Coin-Acceptors, Inc. Coin-selecting and separating apparatus. 3340,980, 9–12–67, Cl. 194—102.
Martin, Bernard T. D., to Maywick Appliances Ltd. Liquid fuel heaters. 3,306,337, 2–28–67, Cl. 158—81.
Martin, Beverly: *See*—
Martin, Samuel W. and B., Shea, and Joel. 3,321,375.
Martin, Billy M.: *See*—
Cook, Charles R., Jr., and Martin. 3,351,775.
Martin Bros. Electric Co., The: *See*—
Martin, George H. 3,307,820.
Martin, Calvin L., and J. C. Bolger, to Allied Chemical Corp. Device for releasing cutting tool. 3,299,747, 1–24–67, Cl. 77—55.
Martin, Carlyle J. Well-seal extractor. 3,307,632, 3–7–67, Cl. 166—85.
Martin, Charles L., to ACF Industries Inc. Carburetor. 3,304,047, 2–14–67, Cl. 251—118.
Martin, Charles M., to Automatic Electric Laboratories, Inc. Automatic telephone answering and message recording machine having fixed cycle of operation and remote callback. 3,337,690, 8–22–67, Cl. 179—6.
Martin, Chester T. Structural connection for beds and the like. 3,354,475, 11–28–67, Cl. 5—93.
Martin, Claude, E. J. Krollman, R. E. King, and R. D. Rumsey, to Houdaille Industries, Inc. Piston-type hydraulic damper. 3,352,386, 11–14–67, Cl. 188—96.
Martin, Claude C.: *See*—
Wilkinson, Raymond C., Aleksiewicz, and Martin. 3,351,-890.
Martin, Claude R. M., to Societe Industrielle Bull-General Electric (Societe Anonyme). Actuating mechanism for printing hammers. 3,314,359, 4–18–67, Cl. 101—93.
Martin, Clyde G., to Conforming Matrix Corp. Spray painting apparatus including a workholder, mask and aligning means therefor. 3,356,069, 12–5–67, Cl. 118—301.
Martin, Clyde G., to Conforming Matrix Corp. Spray painting fixture. 3,356,070, 12–5–67, Cl. 118—301.
Martin, Constant. Electro-acoustic generator adapted to produce low frequency signals transformable into musical sounds by means of any amplifiers. 3,322,876, 5–30–67, Cl. 84—1.15.
Martin, Daniel W., to D. H. Baldwin Co. Multiple speaker sound output system for reducing intermodulation distortion. 3,327,043, 6–20–67, Cl. 84—1.01.

Martin, Daniel W., and A. B. Bereskin, to D. H. Baldwin Co. Pipe organ simulation circuits. 3,322,874, 5–30–67, Cl. 84—1.13.
Martin, Daryl T., to Waldorf Paper Products Co. Easy opening container. 3,302,857, 2–7–67, Cl. 229—51.
Martin, David A. Lint removing device. 3,336,616, 8–22–67, Cl. 15—104.
Martin, David D.: *See*—
Belasco, Melvin, and Martin. 3,354,365.
Martin, David G.: *See*—
Kagan, Fred, and Martin. 3,297,728.
Martin, Derek J., to D. Wickman & Co. Ltd. Method of erecting a mast. 3,354,599, 11–28–67, Cl. 52—741.
Martin, Derek J., and M. C. Curtie, to Ferranti, Ltd. Multiplex servo system for servo motors mechanically connected in series. 3,309,588, 3–14–67, Cl. 318—19.
Martin, Donald G.: *See*—
Dakin, Thomas W., Berg, and Martin. 3,356,808.
Martin, Edward F., Jr., and R. L. Rapp, to Lockheed Aircraft Corp. Acceleration sensitive pressure modulating valve. 3,317,250, 5–2–67, Cl. 303—24.
Martin, Edward R., to Phillips Petroleum Co. Bottle crates. 3,334,768, 8–8–67, Cl. 220—21.
Martin, Elmer L., J. J. MacLyman, and C. L. Kelsey, to Northrop Corp. Captive screw fastener. 3,343,581, 9–26–67, Cl. 151—69.
Martin, Elmore L., to E. I. du Pont de Nemours and Co. Polymers from polycyclic reactants having functional substituents in bridgehead carbon atoms. 3,301,827, 1–31–67, Cl. 260—978.
Martin, Elmore L., to E. I. du Pont de Nemours and Co. Polycyclic diamines. 3,347,919, 10–17–67, Cl. 260—563.
Martin, Eugene E.: *See*—
Heil, Frederick C. W., and E. E. and N. A. Martin. 3,356,887.
Martin, Eugene R.: *See*—
Lipp, Charles E., Martin, Sage, and Vicary. 3,349,982.
Martin, Eugie A., to Monsanto Co. Spinnerette pack for melt spinning. 3,299,472, 1–24–67, Cl. 18—8.
Martin, Frank V. Golf putting practice device. 3,345,072, 10–3–67, Cl. 273—177.
Martin, Frederick W., to The Bendix Corp. Fluid pressure servomotor. 3,321,915, 5–30–67, Cl. 60—54.5.
Martin, George A.: *See*—
Arabian, Karekin G., Lutz, and Martin. 3,338,856.
Martin, George A., to Callery Chemical Co. Wood treating process and product thereof. 3,342,629, 9–19–67, Cl. 117—136.
Martin, George H., to The Martin Bros. Electric Co. Chair lift mechanism. 3,307,820, 3–7–67, Cl. 248—410.
Martin, George J., to The American-Coleman Co. Adjustment means for the pivot bearings of steerable drive wheels. 3,326,313, 6–20–67, Cl. 180—48.
Martin, Gerald E.: *See*—
Sprigings, Donald G., and Martin. 3,342,954.
Martin, Gerald E., and D. G. Sprigings, to H. K. Porter Co., Inc. Enclosed trolley busway system. 3,337,637, 8–22–67, Cl. 191—23.
Martin, Gerald E., and D. G. Sprigings, to H. K. Porter Co., Inc. Enclosed trolley busway system. 3,337,697, 8–22–67, Cl. 191—23.
Martin, Gerald E., and D. G. Sprigings, to H. K. Porter Co., Inc. Current conductor rail system. 3,341,669, 9–12–67, Cl. 191—29.
Martin, Gerald E., and D. G. Sprigings, to H. K. Porter Co., Inc. Current conductor rail system. 3,341,670, 9–12–67, Cl. 191—32.
Martin, Gerald E., and D. L. Cole, to Durell Products Inc. Window glazing system. 3,344,573, 10–3–67, Cl. 52—476.
Martin, Gordon E.: *See*—
Hickman, John S., and Martin. 3,303,688.
Martin, Hans, to P. Henseler. Process for the production of diluted chlorine dioxide. 3,322,497, 5–30–67, Cl. 23—152.
Martin, Harold E.: *See*—
Knight, Richard E., and Martin. 3,324,617.
Martin, Harry F., Sr., to Weyerhauser Co. Machine and process for making wrapped corrugated boards. 3,307,995, 3–7–67, Cl. 156—216.
Martin, Heinz: *See*—
Hohlfeld, Gottfried, and Martin. 3,333,617.
Martin, Heinz, and H. Vogt, to Siemens-Schuckertwerke Aktiengesellschaft. Semiconductor device with pressure contact. 3,299,328, 1–17–67, Cl. 317—234.
Martin, Henry, H. Aebi, and L. Ebner, to Ciba Ltd. Method of combating weeds. 3,322,525, 5–30–67, Cl. 71—2.3.
Martin, Henry, P. Schmidt, and M. Wilhelm, to Ciba Corp. Anthelmintic compositions and methods of using same. 3,340,144, 9–5–67, Cl. 167—53.
Martin, Henry, P. Schmidt, and M. Wilhelm, to Ciba Corp. Carbanilide compositions and methods of using same. 3,340,145, 9–5–67, Cl. 167—53.
Martin Hollinshead T., and R. J. Gould, to Signode Corp. Elastic protective corner and tensioning strips for transportable brick packages. 3,329,262, 7–4–67, Cl. 206—65.
Martin, Homer Z., to Esso Research and Engineering Co. Hydrocracking process employing a Y-type crystalline alumina-silicate activated with chlorine compound. 3,318,-802, 5–9–67, Cl. 208—111.
Martin, Howard L., to Sperry Rand Corp. Mount for supporting dual bolometers at same temperature. 3,345,561, 10–3–67, Cl. 324—95.
Martin, Hubert, to Reynolds Metals Co. Aluminum purification system. 3,301,666, 1–31–67, Cl. 75—68.
Martin, Hunt V., Jr., to Marko, a partnership consisting of H. V. Martin, Jr., and A. G. Gulko. Navigation aid. 3,315,-887, 4–25–67, Cl. 235—61.
Martin, Ivey E., Jr.: *See*—
Barefoot, Thomas L., and Martin. 3,321,902.
Martin, J., Societe des Extineteurs: *See*—
Potterin, Ernest. 3,314,041.
Martin, Jack, and H. C. Hiner, to Westinghouse Electric Corp. Method of gettering impurities in electrical devices such as incandescent lamps. 3,317,264, 5–2–67, Cl. 316—25.
Martin, Jack R.: *See*—
Bobo, Melvin, and Martin. 3,343,806.
Lawrence, Thomas F., and Martin. 3,319,929.
Martin, Jacob H.: *See*—
Seeley, William G., May, and Martin. 3,352,415.
Martin, James. Connector. 3,308,842, 3–14–67, Cl. 137—68.
Martin, James. Multiple ejection seat installations. 3,312,-430, 4–4–67, Cl. 244—122.
Martin, James. Pressure-sensitive mechanism. 3,349,786, 10–31–67, Cl. 137—68.
Martin, James B., to The Procter & Gamble Co. Acidic lipid anhydrides. 3,350,413, 10–31–67, Cl. 260—346.8.
Martin, James C.: *See*—
Cash, George O., Jr., and Martin. 3,321,441.
Elam, Edward U., Martin, and Gilkey. 3,313,777.
Martin, James C., to Eastman Kodak Co. 3-amino tetrahydro-2H-pyran-2-ones. 3,297,705, 1–10–67, Cl. 260—294.3.
Martin, James C., to Eastman Kodak Co. 4-amino-3,4-dihydro-2H-pyran-2-ones. 3,299,058, 1–17–67, Cl. 260—247.2.
Martin, James C., to Eastman Kodak Co. 2,2-dialkyl-3-alkoxy cyclobutanone derivatives. 3,312,741, 4–4–67, Cl. 260—586.
Martin, James C., to Eastman Kodak Co. Hydrogenation of aminovinyl ketones. 3,325,491, 6–13–67, Cl. 260—247.7.
Martin, James C., to Eastman Kodak Co. 3-amidocyclobutanone and 3-amidocyclobutanol compounds. 3,328,392, 6–27–67, Cl. 260—239.3.
Martin, James C. to Eastman Kodak Co. 3-sulfamidocyclobutanone and 3-sulfamidocyclobutanol compounds and their preparation. 3,329,714, 7–4–67, Cl. 260—556.
Martin, James C., to Eastman Kodak Co. 3,6-dihydro-2H-pyran-2-ones. 3,331,858, 7–18–67, Cl. 260—343.5.
Martin, James C., to Eastman Kodak Co. Thiocyclobutanones. 3,345,402, 10–3–67, Cl. 260—488.
Martin, James C., to Eastman Kodak Co. Method of preparing 3-thietanone 1,1-dioxides. 3,347,868, 10–17–67, Cl. 260—327.
Martin, James C., and P. G. Gott, to Eastman Kodak Co. 2,2-dialkylcyclobutanone and 2,2-dialkylcyclobutanol compounds and processes for their preparation. 3,360,564, 12–26–67, Cl. 260—586.
Martin, James H., Jr.: *See*—
Peoples, Claude M., Hurst, and Martin. 3,303,525.
Martin, James H., Jr., to E. I. du Pont de Nemours and Co. Defect detector and stop motion control system. 3,317,734, 5–2–67, Cl. 250—214.
Martin, Jean P. A. Adjustable conveyor device. 3,335,842, 8–15–67, Cl. 198—88.
Martin, Jerry A., and H. B. Rooks, to Collins Radio Co. Dual time constant AVC circuit. 3,351,861, 11–7–67, Cl. 325—410.
Martin, Jim R., and W. H. Wehner, Jr., to John L. Dore Co. Liner flaring apparatus. 3,359,599, 12–26–67, Cl. 18—19.
Martin, John C., to Bunn-O-Matic Corp. Coffee making machine having metallic hood around a basin and non-metallic cover therefor with pouring opening. 3,336,856, 8–22–67, Cl. 99—288.
Martin, John C., to United Kingdom Atomic Energy Authority. Flash X-ray with gas focusing of beam. 3,344,298, 9–26–67, Cl. 313—57.
Martin, John C., to United Kingdom Atomic Energy Authority. Spark gaps. 3,346,762, 10–10–67, Cl. 313—306.
Martin, John C., and D. F. Alexander, to General Motors Corp. Self-cleaning electric cooking apparatus. 3,327,094, 6–20–67, Cl. 219—393.
Martin, John J., to Pullman Inc. Container lifting means and method. 3,360,141, 12–26–67, Cl. 214—38.
Martin, John L., and R. M. Amundsen, to Whirlpool Corp. Humidier. 3,348,821, 10–24–67, Cl. 261—29.
Martin, John P., ½ to J. N. Loomis. Tool for cementing and/or plugging a well or the like. 3,301,329, 1–31–67, Cl. 166—187.
Martin, John R.: *See*—
Flaugher, Lawrence L., Keller, and Martin. 3,302,107.
Martin, Joseph: *See*—
Apblett, William R., Jr., and Martin. 3,345,494.
Martin, Joseph E., and J. A. Merrill, to The Bendix Corp. Ceramic transducer assembly. 3,309,653, 3–14–67, Cl. 340—10.
Martin, Joseph F., to J. F. and M. Martin, as tenants by the entireties, with rights of survivorship. Single lever service and emergency brake system. 3,299,999, 1–24–67, Cl. 192—4.
Martin, Joseph F., and F. Niertit, to Stromberg-Carlson Corp. Signal amplitude sequence time division multiplex communication system. 3,312,783, 4–4–67, Cl. 179—15.
Martin, Joseph L., to New England Realty Co. Insulated piping system. 3,351,361, 11–7–67, Cl. 285—47.

Martin, Joseph S., Jr., and S. S. Trond, to Radio Corp. of America. Process for preparing yttrium vanadate phosphors. 3,360,480, 12–26–67, Cl. 252—301.4.

Martin, Keith E. Hayshed. 3,327,434, 6–27–67, Cl. 52—3.

Martin, Kenneth L. Angulation gauge to measure foot varus. 3,358,373, 12–19–67, Cl. 33—174.

Martin, Kenneth V., to E. I. du Pont de Nemours and Co. Oxymethylene copolymerization process. 3,316,218, 4–25–67, Cl. 260—67.

Martin, Kenneth V., to E. I. du Pont de Nemours and Co. Kaolin clay-loaded elastomers. 3,345,325, 10–3–67, Cl. 260—41.5.

Martin, Kenneth V., to E. I. du Pont de Nemours and Co. Sulfur-cured mineral-loaded-alpha-olefins with reduced surface bloom. 3,355,417, 11–28–67, Cl. 260—41.

Martin, Le Roy: *See*—
Gillette, Leslie A., and Martin. 3,299,146.

Martin, Le Roy L., to Bartelt Engineering Co., Inc. Cartoning machine. 3,300,946, 1–31–67, Cl. 53—73.

Martin, Lewis S., to Shenandoah Equipment Co. Poultry watering device with float-controlled supply. 3,342,206, 9–19–67, Cl. 137—436.

Martin, Mabel: *See*—
Martin, Joseph F. 3,299,999.

Martin Mfg. Co.: *See*—
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Martin, Marcus. Tool for removing wiper blade arm. 3,357,085, 12–12–67, Cl. 29—239.

Martin-Marietta Corp.: *See*—
Barchet, Reinhold J. 3,330,509.
Bradmiller, Richard W. 3,329,774.
Bradmiller, Richard W., and Bruce. 3,303,435.
Branham, Richard A. 3,353,108.
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Emmons, David L. 3,317,843.
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Precht, Walter, Geckle, and Frank. 3,349,466.
Purcell, William O., and Harmon. 3,306,125.
Raudsep, Ilmar G. 3,346,862.
Reichert, Arlen I., and Priestas. 3,313,112.
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Schaefer, Richard A. 3,296,556.
Singleton, Robert S., and Brigham. 3,339,181.
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Thielemann, Rudolf H. 3,333,957.
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Wasilisin, Michael E., and Wernz. Re. 26,287.
Weddell, James B., and Precht. 3,304,445.
Weiner, Robert I., and Witze. 3,309,622.
Wilson, Marlin V. 3,296,444.
Zachamann, Howard C. 3,336,162.

Martin, Merrill D. Die rule and method of forming and mounting the same. Re. 26,192, 4–18–67, Cl. 83—665.

Martin, Merrill D. Tension device for automatic brake control for web roll stands. 3,306,551, 2–28–67, Cl. 242—75.46.

Martin, Merrill D. Pick-up roll stand. 3,321,147, 5–23–67, Cl. 242—58.6.

Martin, Merrill D. Automatic sheet stackers. 3,321,202, 5–23–67, Cl. 271—68.

Martin, Merritt W., Jr., to Hoover Ball and Bearing Co. Blow molding machine with continuously rotating reciprocating extruder screw. 3,335,457, 8–15–67, Cl. 18—5.

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Martin, Mildred J.: *See*—
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Martin, Neil C.: *See*—
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Martin, Noel A.: *See*—
Heil, Frederick C. W., and E. E. and N. A. Martin. 3,356,887.

Martin, Rand H., to HPE Inc. Alternatively selected wash and inlet flow for filter system. 3,329,273, 7–4–67, Cl. 210—332.

Martin, Rand H., to HPE Inc. Electric motor housing and support. 3,348,082, 10–17–67, Cl. 310—85.

Martin, Raymond D., Jr., to Tag-A-Long Trailers, Inc. Floating ramp. 3,307,719, 3–7–67, Cl. 214—85.

Martin, Raymond D., Jr., to Tag-A-Long Trailers, Inc. Swing away ramp. 3,319,811, 5–16–67, Cl. 214—85.

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Martin, Richard D. Positioning instrument clamp for use with speculum. 3,320,948, 5–23–67, Cl. 128—17.

Martin, Richard F., to Montgomery Elevator Co. Safety brake tripping system for elevators. 3,346,073, 10–10–67, Cl. 187—90.

Martin, Richard T., to Dahlberg Electronics, Inc. In-the-ear hearing aid. Re. 26,258, 8–29 67, Cl. 179—107.

Martin, Robert: *See*—
Connelly, Edward J., Martin, and Davis. 3,344,888.

Martin, Robert B.: *See*—
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Martin, Robert C., F. K. Mueller, and H. C. Rothe, to United States of America, Army. Level indicating device with air bearing pendulum. 3,358,377, 12–19–67, Cl. 33—206.

Martin, Robert E.: *See*—
Burzynski, Alfred J., and Martin. 3,321,276.
Burzynski, Alfred J., and Martin. 3,354,095.
Lewis, Harlan L., and Martin. 3,334,065.

Martin, Robert E. Statistical display apparatus. 3,317,132, 5–2–67, Cl. 235—123.

Martin, Robert I. Window bar assembly. 3,358,412, 12–19–67, Cl. 52—456

Martin, Robert J., to Gulf Research & Development Co. Viscosity index measuring apparatus. 3,302,451, 2–7–67, 73—55.

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Martin, Robert L., to Phillips Petroleum Co. Single phase induction motor. 3,303,402, 2–7–67, Cl. 318—221.

Martin, Robert L., to C. E. Gutentag, P.B.A. Aublication Engineers. Micro-miniature relay. 3,335,376, 8–8–67, Cl. 335—125.

Martin, Robert L., to General Electric Co. Pressure lock grounding outlet. 3,339,170, 8–29–67, Cl. 339—31.

Martin, Robert L., to Eaton Yale & Towne Inc. Variable delivery fan. 3,342,272, 9–19–67, Cl. 170—160.11.

Martin, Robert L., and A. E. Breaux; said Martin assor. to said Breaux. Crankcase emission control. 3,312,207, 4–4–67, Cl. 123—119.

Martin, Robert T.: *See*—
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Martin, Robert T. Potato storage treating apparatus. 3,339,475, 9–5–67, Cl. 99—271.

Martin, Robert W., and A. Norwich, to Industrial Nucleonics Corp. Two-frequency dielectric measuring system including a variable gain circuit for modifying the amplitude of at least one of two detection signals. 3,323,047, 5–30–67, Cl. 324—61.

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Martin, Romeo J.: *See*—
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Martin, Roy C. Caddy cabinet. 3,338,652, 8–29–67, Cl. 312—244.

Martin, Roy M., to Reynolds Metals Co. Container and end closure therefor. 3,341,058, 9–12–67, Cl. 220—66.

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Martin, Samuel W., deceased (by B. Martin, executrix), F. L. Shea, Jr., and L. H. Joel, to Great Lakes Carbon Corp. Substantially isotropic graphitized bodies used in nuclear reactors. 3,321,375, 5–23–67, Cl. 176—41.

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Martin, Tellis A., and A. L. Sheffner, to Mead Johnson & Co. Amides of N-acylated cysteines. 3,340,147, 9–5–67, Cl. 167—55.

Martin, Thomas A., to American Metal Climax, Inc. Method and apparatus for controlling flatness in sheet metal. 3,334,508, 8–8–67, Cl. 72—364.

Martin, Thomas B. Duplex plunger metering pump. 3,310,000, 3–21–67, Cl. 103—171.

Martin, Thomas B. Constant flow valve. 3,357,448, 12–12–67, Cl. 137—501.

Martin, Thomas W., to United States of America, Atomic Energy Commission. Ion propulsion system employing lifecycle wastes as a source of ionizable gas. 3,328,960, 7–4–67, Cl. 60—202.

Martin, Thomas W., Sr., to Cutters Machine Co., Inc. Roll support. 3,345,011, 10–3–67, Cl. 242—58.6.

Martin, Vernon P., to Continental Can Co., Inc. Protective package for frangible articles. 3,312,337, 4–4–67, Cl. 206—46.

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Martin, Victor S., to Bell Telephone Laboratories, Inc. Telephone station cord using a tinsel ribbon shield. 3,334,177 8–1–67, Cl. 174—106.

Martin, Warner W., to The Lau Blower Co. Air conditioning system. 3,315,948, 4–25–67, Cl. 261—26.

Martin, Warner W., to The Lau Blower Co. Humidifier. 3,339,902, 9–5–67, Cl. 261—142.
Martin, Warner W., and C. D. Sweet, Jr., to The Lau Blower Co. Humidifiers. 3,352,297, 11–14–67, Cl. 126—113.
Martin, Wayne, to William F. Jobbins Inc. Aluminum base casting alloys. 3,322,533, 5–30–67, Cl. 75—146.
Martin, Wayne, Jr. Method and means for transplanting. 3,306,239, 2–28–67, Cl. 111—1.
Martin, Wiley S., and J. P. Klink, to Owens-Corning Fiberglas Corp. Apparatus for forming and collecting filamentary materials. 3,317,148, 5–2–67, Cl. 242—43.
Martin, Wilfred M., to Clark-Feather Mfg. Co. Nut gripping tools. 3,342,090, 9–19–67, Cl. 81—345.
Martin, Wilhelm N., to Consolidated Paper (Bahamas) Ltd. Vinyl acetate-containing compositions for splicing sheet materials. 3,322,714, 5–30–67, Cl. 260—31.8.
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Martin, William E. Scraper bowl for earth moving equipment. 3,302,316, 2–7–67, Cl. 37—124.
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Martin, William G. Collapsible camping unit. 3,352,312, 11–14–67, Cl. 135—1.
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Martin, William L., to Continental Oil Co. Shutting off water from oil wells. 3,310,110, 3–21–67, Cl. 166—32.
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Martin, Willis E., P. H. Johnson, and F. L. Reaser, to The Fleming Co., Inc. Fork-lift finger construction. 3,353,697, 11–21–67, Cl. 214—620.
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Martineau, Harold A. and R. C. Fehler. Portable lighting fixture. 3,340,392, 9–5–67, Cl. 240—52.1.
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Martinek, Thomas W.: *See*—
Haines, Robert M., Martinek, and Klass. 3,304,378.
McEuen, Robert B., Haines, Klass, and Martinek. 3,309,-915.
Martinek, Thomas W., to Union Oil Co. of California. Apparatus for corrugating and compressing a tubular material. 3,343,220, 9–26–67, Cl. 18—19.
Martinek, Thomas W., and D. L. Klass, to Union Oil Co. of California. Electrostrictive fluid transducer. 3,304,446, 2–14–67, Cl. 310—8.
Martinek, Thomas W., and D. L. Klass, to The Union Oil Co. of California. Method of preparing carbamates. 3,335,139, 8–8–67, Cl. 260—247.2.
Martinet, Andre, to Societe Anonyme Francaise des Appareils Automatiques Taximetres-Taxophones-S.A.F.A.A. Parking meters for vehicles. 3,338,510, 8–29–67, Cl. 232—1.
Martinet, Jacques R., and M. L. Van Dreser, to Kaiser Aluminum & Chemical Corp. Refractory. 3,309,209, 3–14–67, Cl. 106—57.
Martinet, Jacques R., and J. C. Hicks, to Kaiser Aluminum & Chemical Corp. Refractory structure for a rotary kiln. 3,346,248, 10–10–67, Cl. 263—33.
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Martinez, Erasmo. Convertible carrier, head rest and sun shade. 3,298,477, 1–17–67, Cl. 190—1.
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Martinez, Ricardo M., to American Cyanamid Co. Recovery of molybdenite from copper-bearing ores. 3,351,193, 11–7–67, Cl. 209—3.
Martinez, Theodore. Coin gauge. 3,318,006, 5–9–67, Cl. 33—168.
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Martini, Richard W., and J. R. Darnell, to Howmet Corp. Aluminizing process and composition. 3,345,197, 10–3–67, Cl. 117—26.
Martini, William R., to North American Aviation, Inc. Critical point temperature control method and device for a thermionic generator. 3,303,361, 2–7–67, Cl. 310—4.
Martiniak, Leonard J., to General Electric Co. Dishwasher with improved liquid inlet system. 3,347,250, 10–17–67, Cl. 134—182.
Martiniak, Leonard J., to General Electric Co. Dishwasher having a suds suppressor. 3,356,431, 12–5–67, Cl. 312—213.
Martinmaas, Werner W. Tractor cab. 3,341,247, 9–12–67, Cl. 296—28.
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Martino, Louis J., W. E. Moll, and R. E. Weimer, to McDonalds System, Inc. Waste receptacle. 3,306,486, 2–28–67, Cl. 220—1.
Martino, Louis J., and H. R. Blaese, to Systems, Inc. Method of and apparatus for cooking. 3,326,692, 6–20–67, Cl. 99—111.
Martinola, Friedrich, and G. Siegers, to Farbenfabriken Bayer Aktiengesellschaft. Process for regenerating strongly acid cation exchangers with sulphuric acid. 3,342,756, 9–19–67, Cl. 260—2.2.
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Martland, Theodore H. Light bulb protector. 3,300,637, 1–24–67, Cl. 240—102.
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Martner, John G., to Stanford Research Institute. Aerosol generator. 3,357,641, 12–12–67, Cl. 239—102.
Martner, John G., and P. D. Neketin, to Gerber Products Co. Non-destructive testing method and apparatus for canned liquid material. 3,357,556, 12–12–67, Cl. 209—73.
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Marullo, Gerlando, G. Perri, and G. Tubiello, to Montecatini Edison S.p.A. Selective dissolution of sodium chloride from kainite minerals with water containing added surface active agents. 3,345,142, 10–3–67, Cl. 23—312.
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Tomiyama, Shinichi, Marumo, and Takai. 3,297,653.
Tomiyama, Shinichi, Marumo, and Takai. 3,299,006.
Marumo, Hideo, M. Ninomiya, Y. Matsuzaki, and M. Takai, to Lion Yushi Kabushiki Kaisha. Method of preventing electric charging of liquid hydrocarbons. 3,359,086, 12–19–67, Cl. 44—63.
Marumo, Hirofuto, and K. Saito, to Kyowa Hakko Co., Ltd. Ornithine aspartate and a process for its preparation. 3,360,549, 12–26–67, Cl. 260—501.11.
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Marwood, Charles T., to The De Havilland Aircraft Co. Ltd. Engine control embodying a multiple pulse train generator. 3,301,269, 1–31–67, Cl. 137—30.
Marx, Arthur J., to General Electric Co. Injection molding apparatus. 3,345,687, 10–10–67, Cl. 18—5.
Marx, Frank R., and T. J. Burrett, to Sarco Co., Inc. Steam traps. 3,318,527, 5–9–67, Cl. 236—59.
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Marx, John W., W. B. Belknap, and J. C. Trantham, to Phillips Petroleum Co. Process and apparatus for combination upgrading of oil in situ and refining thereof. 3,310,109, 3–21–67, Cl. 166—7.
Marx, Josef, to Elster & Co. Aktiengesellschaft. Fluid metering device. 3,295,370, 1–3–67, Cl. 73—231.
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Marxer, Adrian, to Ciba Corp. 1-ethyl-4,5-di-(para-methoxyphenyl)-imidazole and a salt thereof. 3,351,628, 11–7–67, Cl. 260—309.
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Massie, Philip E. Magnetic ratchet motor. 3,359,437, 12–19–67, Cl. 310—21.

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Wiese, Harold H. 3,303,981.
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Masterson, James P., Jr., to Allegheny Ludlum Steel Corp. Automatic control system for rolling mills and adjustable dies. 3,319,444, 5–16–67, Cl. 72—8.
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Masuda, Noboru, to Denki-Onkyo Kabushiki-Kaisha. Electrograph using for plurality of electrode devices having a thermoplastic film as a recording medium. 3,346,868, 10–10–67, Cl. 346—74.
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Mathison, Robert V. Buckle-slider and adjustable strap articles. 3,327,361, 6–27–67, Cl. 24—198.
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Matkan, Josef, to Research Laboratories of Australia Pty. Ltd. Electrostatic printing method and apparatus. 3,355,-288, 11–28–67, Cl. 96—1.
Matkan, Josef, and R. A. Chapman, to Research Laboratories of Australia Ltd. Electrophotographic method using an unsymmetrical AC current during development. 3,346,475, 10–10–67, Cl. 204—181.
Matlack, Albert S., to Hercules Inc. Stabilization of polyolefins with nickel salts of aromatic compounds. 3,296,192, 1–3–67, Cl. 260—45.75.
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Mattson, Merle E. Tree or plant protector collar. 3,305,-969, 2–28–67, Cl. 47—25.

Mattson, Rodney A., to General Electric Co. X-ray spectrometer having an X-ray source with a continuously cleaned X-ray target. 3,334,228, 8–1–67, Cl. 250—51.5.

Mattson, Roy H., to The Regents of the University of Minnesota. Neuristor and process for making the same. 3,325,652, 6–13–67, Cl. 307—88.5.

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Matty, Pete. Coffee makers or the like. 3,334,571, 8–8–67, Cl. 99—283.

Matuki, Koitiro, Y. Hirano, and T. Sunahara. Hermetically sealed motor-compressor. 3,306,524, 2–28–67, Cl. 230—58.

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Matwijcow, John J. Interlocked blade and holder having resilient latching means. 3,317,998, 5–9–67, Cl. 30—338.

Matyas, Tibor, and J. P. Moorhead, to Evans Products Co. Bulkhead. 3,314,380, 4–18–67, Cl. 105—376.

Matyckas, Stanley J., to Radio Corp. of America. Transistor protection circuit for radio transmitter. 3,345,570, 10–3–67, Cl. 325—150.

Matz, Samuel A., E. G. Linke, and D. E. Mook, to The Borden Co. Preservation of unbaked bakery products with an antibiotic peptide and the resulting product. 3,295,989, 1–3–67, Cl. 99—90.

Matz, Samuel A., E. G. Linke, and D. E. Mook, to The Borden Co. Dough composition and process for preparing same. 3,356,506, 12–5–67, Cl. 99—90.

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Kurkjy, Raymond P., Matzner, and Cotter. 3,312,661.
Kurkjy, Raymond P., Matzner, and Cotter. 3,312,662.

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Maucher, Paul, to Luk Lamellen und Kupplungsbau Gesellschaft mit beschrankter Hoftung, Buhl/Baden. Friction clutch. 3,337,016, 8–22–67, Cl. 192—68.

Maucher, Paul, to Luk Lamellen und Kupplungsbau G.m.b.H. Vehicle clutch with disc spring operator. 3,340,973, 9–12–67, Cl. 192—68.

Maucher, Paul, to Luk Lamellen und Kupplungsbau Gesellschaft mit beschrankter Haftung. Friction clutch, especially for motor vehicles. 3,340,974, 9–12–67, Cl. 192—68.

Mauchline, William J., to Associated Products, Inc. Tobacco sales ticket holder. 3,325,929, 6–20–67, Cl. 40—11.

Mauck, Robert J. Vehicle wheel support for trailers and the like. 3,334,912, 8–8–67, Cl. 280—81.

Mauclet, Maurice. Sinking of shafts and galleries in hand and water-bearing ground. 3,299,643, 1–24–67, Cl. 61—36.

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Maude, Edward, to Calmic Ltd. Maintenance of urinals, water closet basins and the like. 3,359,063, 12–19–67, Cl. 21—58.

Maudinet, Louis, V. Ziegelmeyer, and R. Dintzner, to Societe Alsacienne de Constructions Atomiques de Telecommunications et d'Electronique Alcatel and Societe de Transactions Commerciales et Industrielles entre la France et l'Allemagne, in abbreviation, S.O.T.R.A.F.A. Remote control manipulation of inaccessible objects. 3,301,588, 1–31–67, Cl. 294—110.

Mauduech, Robert R., R. P. Gouttebel, L. A. Proutiere, and E. L. Communal. Subscriber's line equipment for time-division telephone concentrator. 3,303,287, 2–7–67, Cl. 179—18.

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Maul, John A., to Addressograph-Multigraph Corp. Variable data print control and interlock means in printing machines. 3,322,062, 5–30–67, Cl. 101—45.

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Maule, Frank A. Survey stake protector. 3,300,918, 1–31–67, Cl. 52—103.

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Maulini, Maurizio, to Azionaria Costruzioni Macchine Automatiche A.C.M.A S.p.A. Apparatus for grouping articles into piles. 3,338,370, 8–29–67, Cl. 198—24.

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Maurer, John L., and J. W. Davidson, to The Eagle-Picher Co. Forming mandrel free method for corrugated hose. 3,333,-036, 7–25–67, Cl. 264—94.

Maurer, John W., and J. P. Quine, to United States of America, Army. Passive device for obtaining independent amplitude and phase control of a UHF or microwave signal. 3,346,823, 10–10–67, Cl. 333—11.

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Mauri, Salvatore. Rectilinear loom of the "pick-pick" type. 3,310,071, 3–21–67, Cl. 139—122.

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Maurice, Jean, to Societe Anonyme Francaise du Ferodo. Declutching device for obviating wear adjustment. 3,307,667, 3–7–67, Cl. 192—91.

Maurice, Jean, to Societe Anonyme Francaise du Ferodo. Clutch diaphragm spring with resilient cushion. 3,323,624, 6–6–67, Cl. 192—89.

Maurice, Jean, to Société Anonyme Francaise du Ferodo. Clutch friction system. 3,327,820, 6–27–67, Cl. 192—55.

Maurice, Jean. Rotary-contact potentiometers. 3,339,166, 8–29–67, Cl. 338—155.

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Mausteller, John W., and S. J. Rodgers, to Mine Safety Appliances Co. Method for determination of combined oxygen in liquid alkali metals. 3,323,050, 5–30–67, Cl. 324—65.
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Mauz, Otto, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Stabilized polyalkylene oxides. 3,331,809, 7–18–67, Cl. 260—45.85.
Mauz, Otto, and H. Hertel, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Stabilized polymers of alkylene oxides. 3,352,824, 11–14–67, Cl. 260—45.75.
Mauz, Otto, and E. Prinz, to Hercules Inc. Stabilization of polyolefins. 3,354,118, 11–21–67, Cl. 260—45.85.
Mauz, Otto, and C. Heuck, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Polyalkylene oxides stabilized with an amine and an aliphatic thioether. 3,360,499, 12–26–67, Cl. 260—45.8.
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Mawhinney, Robert C., B. F. Gould, A. T. Biehl, R. Mainhardt, and W. D. Barton. Javelin stabilized quiet round. 3,344,-711, 10–3–67, Cl. 89—14.
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Max, Erhard, to International Business Machines Corp. Wide range high speed adjustable focusing of high frequency electromagnetic radiation. 3,312,519, 4–4–67, Cl. 350—161.
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Mayer, Jean-Jacques G., to Societe Nouvelle d'Electronique et de la Radio-Industrie. Data-processing system. 3,340,506, 9–5–67, Cl. 340—146.1.
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Mazziotti, Philip J., to Dana Corp. Differential gearing mechanism incorporating therein a resiliently preloaded clutch. 3,331,262, 7–18–67, Cl. 74—711.
Mazziotti, Philip J., to Dana Corp. Universal joint. 3,332,256, 7–25–67, Cl. 64—21.
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McClenny, Clyde C., and E. L. Standridge. Garment conveyor and dispenser. 3,338,420, 8–29–67, Cl. 211—1.5.
McCleskey, George H., to United States Steel Corp. Method of controlling the operation of a blast furnace. 3,304,171, 2–14–67, Cl. 75—41.
McClintock, Jimmy L. Attachment for wheelchairs. 3,331,614, 7–18–67, Cl. 280—42.
McClintock, Robert M., to Aerpat Aktiengesellschaft. Modular door handle. 3,313,586, 4–11–67, Cl. 312—320.
McClive, Ralph T., to Eastern Fabricating Co., Inc. Casket trim with spaced side member stiffeners. 3,344,494, 10–3–67, Cl. 27—19.
McCloskey, Albert R., to The Heim Universal Corp. Manufacture of self-aligned bearings. 3,351,999, 11–14–67, Cl. 29—149.5.
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McCloud, George R., to McGraw-Edison Co. Enclosed disconnect switch. 3,354,272, 11–21–67, Cl. 200—48.
McCloud, James R., to I-T-E Circuit Breaker Co. Combined tank liner interphase barrier for oil circuit breakers. 3,335,245, 8–8–67, Cl. 200—150.
McCloud, James R., and L. D. McConnell, to I-T-E Circuit Breaker Co. Single break oil circuit breaker structure having dual valve structure. 3,313,901, 4–11–67, Cl. 200—150.
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McClure, David A., to Rexall Drug and Chemical Co. Method of effecting analgesia. 3,337,408, 8–22–67, Cl. 167—65.
McClure, David A., to Rexall Drug and Chemical Co. Method of effecting analgesia. 3,359,166, 12–19–67, Cl. 167—65.
McClure, Ellis G., ½ to G. Graf. Vehicle mounted asphalt cutter. 3,355,214, 11–28–67, Cl. 299—40.
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McCollegan, Fred J. Tire covers. 3,326,259, 6–20–67, Cl. 150—52.
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McCollough, John K., G. H. Sanders, and C. A. Wethington, to Deering Milliken Research Corp. Bobbin handling apparatus. 3,307,678, 3–7–67, Cl. 198—33.
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McConnell, John R. Structural steel fabricating process. 3,331,939, 7–18–67, Cl. 219—78.
McConnell, John R. Automatic resistance welding machine. 3,341,683, 9–12–67, Cl. 219—80.
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McCord, Robert S., to McDonnell Douglas Corp. Hydraulic fluid. 3,352,783, 11–14–67, Cl. 252—78.
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McCormick, Jerry R. D., and E. R. Jensen, to American Cyanamid Co. Substituted 1,3,4,10,11,12-hexahydroxynaphthacene-2-carboxamides. 3,360,559, 12–26–67, Cl. 260—559.
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McCormick, Loran F., to United States of America, Navy. Position control circuit. 3,295,421, 1–3–67, Cl. 91—363.
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McCusker, Joseph H., to United States of America, Navy. Method for fabricating thin film transistors. 3,298,863, 1–17–67, Cl. 117—212.

McCusker, Joseph H., to Radio Corp. of America. Semiconductor device fabrication. 3,331,125, 7–18–67, Cl. 29—578.

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Cislak, Francis E., McGill, and Campbell. 3,352,873.

McGill, Charles K., to Reilly Tar & Chemical Corp. Methylenebis [(N-hydroxyalkyl-piperidyl) alkyl] piperidines. 3,352,875, 11–14–67, Cl. 260—294.7.

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McMaster, Harold A., and A. F. Van Zee, to Permaglass, Inc. Apparatus providing a gaseous support bed and method for treating glass or the like thereon. 3,332,760, 7–25–67, Cl. 65—25.
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McNerney, Norman E., to Simplex Wire and Cable Co. Alkali metal conductor terminal. 3,346,690, 10–10–67, Cl. 174—77.

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Mehl, Charles W., to E. L. Hendey, G. Casey, and V. J. McAlpin. Apparatus for fluid treatment. 3,340,175, 9–5–67, Cl. 204—268.
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Meier, Alfred, E. Kohl, and Rossmann, to Mahle Komm.-Ges. Piston for internal combustion engines. 3,349,672, 10–31–67, Cl. 92—231.
Meier, Alfred, E. Kohl, and E. Rossmann, to Mahle Komm.-Ges. Piston for internal combustion engines. 3,354,793, 11–28–67, Cl. 92—231.
Meier, Don E., and D. J. Rotier, to Ault Inc. Resonant energy voltage regulator providing constant total energy pulses dependent on, but not affected by load requirements. 3,300,-656, 1–24–67, Cl. 307—88.5.
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Meier, Paul, to H. Heid. Climbing machines adapted to cut off the branches of standing trees. 3,315,714, 4–25–67, Cl. 143—32.
Meier, Vincent D., to United States of America, Navy. Water repellant dehumidifier. 3,315,447, 4–25–67, Cl. 55—384.
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Meinstein, Siegried, to Witco Chemical Co., Inc. Purification of crude phthalic anhydride. 3,338,924, 8–29–67, Cl. 260—346.7.
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Mertzweiller, Joseph K., and R. N. Watts, deceased (by B. S. Watts, legal representative), to Esso Research and Engineering Co. Synthesis of higher ketones. 3,316,303, 4–25–67, Cl. 260—593.
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Mertzweiller, Joseph K., and H. M. Tenney, to Esso Research and Engineering Co. Hydroformylation catalyst and process relating thereto. 3,351,666, 11–7–67, Cl. 260—604.
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Kumins, Charles A., Chase, Fine, and Messmer. 3,322,562.
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Metzger, Horst, and H. Koenig, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. α-Oxo-sulfurylene-carbonamides. 3,332,995, 7–25–67, Cl. 260—558.

Metzger, Horst, and M. Pape, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of ε-cyanocaproic acid. 3,346,618, 10–10–67, Cl. 260—465.4.
Metzger, John A., to Stanley Knight Corp. Heat exchanger assembly and method of forming same. 3,295,598, 1–3–67, Cl. 165—172.
Metzger, Lillie S.: *See*—
Metzger, Reece U. and Lillie S. 3,300,185.
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Metzger, Matt F., to General Electric Co. Automatic dryer control circuit. 3,318,015, 5–9–67, Cl. 34—45.
Metzger, Reece U. and Lillie S. Flagpole rope threader. 3,300,185, 1–24–67, Cl. 254—134.3.
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Cross, James M., Metzger, and Campbell. 3,351,650.
Metzger, Wilford E., Jr., to Birdsboro Corp. Rolling mill handling mechanism. 3,354,684, 11–28–67, Cl. 72—222.
Metzler, Charles L., and H. A. Holzwarth, to Paper Mate Mfg. Co. Multi-aspect display device. 3,297,167, 1–10–67, Cl. 211—69.
Metzler, Charles L., J. D. Wark, and H. A. Holzwarth, to Sterling Drug Inc. Dispenser with two-part wall mounting. 3,334,791, 8–8–67, Cl. 222—180.
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Meunier, Henry E. J. M., to Chemetron Corp. Anticonvulsant agents. 3,325,361, 6–13–67, Cl. 167—65.
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Partlow, James A., Mewhinney, and Hoefling. 3,344,514.
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Meyer, Armin, R. Von Wartburg, and W. Anderau, to Ciba Ltd. Process for the production of color images by the silver dyestuff bleaching method. 3,340,060, 9–5–67, Cl. 96—53.
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Meyer, Edward M., to General Electronic Laboratories, Inc. Sound recording apparatus for teaching by mimicry. 3,342,-952, 9–19–67, Cl. 179—100.2.
Meyer, Engelbert A., to Chicago-United Products Co., Inc. Apparatus for electric welding fasteners to automobile bodies. 3,299,248, 1–17–67, Cl. 219—98.
Meyer, Engelbert A., to Warren Fastener Corp. Fastener assembly and button fastener. 3,337,925, 8–29–67, Cl. 24—73.
Meyer, Engelbert A., to Chicago United Products Co., Inc. One piece deformable fastener. 3,338,127, 8–29–67, Cl. 85—38.
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Meyer, Ernst. Submersible pump. 3,299,818, 1–24–67, Cl. 103—53.
Meyer, Ernst. Induction pump. 3,348,489, 10–24–67, Cl. 103—53.
Meyer, Ernst, to Vereinigte Glanzstoff-Fabriken AG. Process for increasing solution viscosity of polyamide melt. 3,359,-245, 12–19–67, Cl. 260—78.
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Meyer, Friedrich, to Continental Gummi-Werke Aktiengesellschaft. Machine for making foils or webs of rubber or rubber-like material. 3,320,112, 5–16–67, Cl. 156—543.
Meyer, Gene R. Corsage holder for wrist. 3,302,258, 2–7–67, Cl. 24—5.
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Meyer, George F., to Parker-Hannifin Corp. Gasket. 3,342,501, 9–19–67, Cl. 277—180.
Meyer, Gerard, and A. Michel, to Commissariat a l'Energie Atomique. Radioactive ceramic source of strontium fluoropatite and method of manufacture. 3,331,784, 7–18–67, Cl. 252—301.1.
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Meyer, Gerhard, E. Siggel, A. Schopf, and H. Magerlein, to Vereinigte Glanzstoff-Fabriken AG. Stability of polyolefines. 3,352,816, 11–14–67, Cl. 260—45.7.
Meyer, Gerhard, E. Siggel, A. Schopf, and H. Magerlein, to Vereinigte Glanzstoff-Fabriken AG. Stability of polyolefines. 3,352,817, 11–14–67, Cl. 260—45.7.
Meyer, Gerhard, E. Siggel, A. Schopf, and H. Magerlein, to Vereinigte Glanzstoff-Fabriken AG. Stability of polyolefines. 3,352,818, 11–14–67, Cl. 260—45.7.
Meyer, Gerhard, E. Siggel, A. Schöpf, and H. Magerlein, to Vereinigte Glanzstoff-Fabriken AG. Stabilization of polyolefines with phosphorus halides and peroxides. 3,356,639, 12–5–67, Cl. 260—45.7.
Meyer, Gerhard, E. Siggel, A. Schöpf, and H. Magerlein, to Vereinigte Glanzstoff-Fabriken AG. Stability of polyolefines. 3,356,640, 12–5–67, Cl. 260—45.9.
Meyer, Gerhard, W. Rösener, and E. Siggel, to Vereinigte Glanzstoff-Fabriken AG. Process for controlling the molecular weight of polypropylene. 3,356,665, 12–5–67, Cl. 260—93.7.
Meyer, Glen E., and F. J. Naples, to The Goodyear Tire & Rubber Co. Elastomers and plasticizer from mixtures of thioether compounds and epoxy resins with acids, 3,350,406, 10–31–67, Cl. 260—30.8.

Meyer, Gustave, to Meyer Products, Inc. Toilet stool ventilating device. 3,295,147, 1–3–67, Cl. 4—213.
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Meyer, Hans. Apparatus for ascertaining the errors of indicator measuring devices. 3,306,095, 2–28–67, Cl. 73—1.
Meyer, Hans, L. E. Shadbolt, and H. J. Stern, to Polymark Ltd. Polyamide heat transfer for launderable fabrics. 3,359,-127, 12–19–67, Cl. 117—3.4.
Meyer, Hans P. and K. H., to Air-Tech Industries, Inc. Mattress cover. 3,317,933, 5–9–67, Cl. 5—335.
Meyer, Henry F., to The Monarch Machine Tool Co. Machine tool tool changer. 3,316,629, 5–2–67, Cl. 29—568.
Meyer, Herbert H., and A. R. Kingsbury, to Union Carbide Corp. Brush clip assembly. 3,355,611, 11–28–67, Cl. 310—248.
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Meyer, John F., and E. J. Zalewski, to Schenectady Chemicals, Inc. Reaction product of a dibasic polycarboxylic acid and tris(2-hydroxyethyl)isocyanurate. 3,342,780, 9–19–67, Cl. 260—75.
Meyer, John L., to Gardner-Denver Co. Fluid conductor and take-off apparatus. 3,310,067, 3–21–67, Cl. 137—580.
Meyer, Joseph H., to Richelieu Licensing Corp. Stringless beads having frictionally retained insert. 3,323,325, 6–6–67, Cl. 63—4.
Meyer, Karlheinz, S. Schutz, K. Stoepel, and H.-G. Kroneberg, to Farbenfabriken Bayer Aktiengesellschaft. Pregnane guanyl hydrazones and derivatives thereof. 3,309,362, 3–14–67, Cl. 260—239.5.
Meyer, Karlheinz, H. Kratzer, S. Schutz, H.-G. Kroneberg, and K. Stoepel, to Farbenfabriken Bayer Aktiengesellschaft. Tetracyclic and pentacyclic triterpeneguanylhydrazones and their production. 3,318,920, 5–9–67, Cl. 260—397.2.
Meyer, Karlheinz, S. Schutz, K. Stoepel, and H.-G. Kroneberg, to Farbenfabriken Bayer Aktiengesellschaft. Steroid aminoguanidines and their production. 3,325,517, 6–13–67, Cl. 260—397.
Meyer, Karl-Heinz, S. Schutz, K. Stoepel, and H.-G. Kroneberg, to Farbenfabriken Bayer Aktiengesellschaft. Steroidguanylhydrazones and their production. 3,328,387, 6–27–67, Cl. 260—211.
Meyer, Karlheinz, H. Kratzer, S. Schutz, K. Stoepel, and H.-G. Kroneberg, to Farbenfabriken Bayer Aktiengesellschaft. Glucosyl-steroid-guanyl-hydrazones. 3,340,248, 9–5–67, Cl. 260—210.5.
Meyer, Kurt: *See*—
Jacobsohn, Theodore, Julien, and H. and K. Meyer. 3,307,301.
Meyer, Kurt, G. Von Struve, G. Reimann, and K.-H. Boss, to Metallgesellschaft Aktiengesellschaft. Process for the production of hard burnt pellets having good abrasive strength. 3,338,705, 8–29–67, Cl. 75—3.
Meyer, Kurt H.: *See*—
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Meyer, Larry E.: *See*—
Chaffee, Robert H., and Meyer. 3,324,038.
Meyer, Larry E., and R. D. Walker, to The Procter & Gamble Co. Process for preparing detergent granules from trimetaphosphate. 3,345,297, 10–3–67, Cl. 252—137.
Meyer, Lawrence L.: *See*—
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Meyer, Leo J. Nut meat de-watering machine. 3,313,034, 4–11–67, Cl. 34—53.
Meyer, Lester L., to H. G. Dybvig. Drill sharpening device. 3,327,568, 6–27–67, Cl. 76—89.2.
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Meyer, Otto, to Demag Aktiengesellschaft. Drilling device with means to indicate resistance to rotation. 3,346,299, 10–10–67, Cl. 299—1.
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Meyer, Paul F., and J. L. Wolfe, deceased (by V. V. Wolfe, executrix). Snow roller. 3,346,973, 10–17–67, Cl. 37—10.
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Meyer, Gustave. 3,295,147.
Meyer, Ralph E.: *See*—
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Linden, Gustave B., Meyer, and Vanneman. 3,335,155.
Meyer, Raymond J.: *See*—
Harris, Kenneth J., Meyer, and Malm. 3,298,252.
Meyer, Rene, and P. Potet, to Societe des Poudres Metalliques et des Alliages Speciaux Ugine-Carbone. Process for making composite porous elements. 3,359,622, 12–26–67, Cl. 29—420.5.
Meyer, Richard L., and A. A. Di Frango, to Westinghouse Electric Corp. Controlled braking system for load lifting apparatus. 3,296,512. 1–3–67. Cl. 318—203.
Meyer, Robert, and G. Muller, to Prochirhim Societe Anonyme. Process of extending the duration of service of ingot mold. 3,340,082, 9–5–67, Cl. 117—5.3.
Meyer, Robert A., to Amity Leather Products Co. Fastener device. 3,301,296, 1–31–67, Cl. 150—39.
Meyer, Robert F., to Parke, Davis & Co. 1-(diloweralkylamino)-3-(aminolowerakyl)-3-phenyloxindoles. 3,314,954, 4–18–67, Cl. 260—247.2.
Meyer, Robert N., to Douglas Aircraft Co., Inc. Servo valve. 3,307,586, 3–7–67, Cl. 137—625.69.
Meyer, Robert V., to W. and L. E. Gurley. Optical encoder responsive to movement in two directions. 3,297,879, 1–10–67, Cl. 250—237.
Meyer, Roelf J.: *See*—
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Meyer, Roelf J., A. A. Dros, and A. A. Liebe, to North American Philips Co. Inc. Hot-gas reciprocating engines of the displacer piston type. 3,302,393, 2–7–67, Cl. 60—24.
Meyer, Roy E. Rope safety clamp device. 3,317,971, 5–9–67, Cl. 24—134.
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Meyer, Rudolf, to Space Technology Laboratories, Inc. Magnetohydrodynamic method and apparatus. 3,360,220, 12–26–67, Cl. 244—42.
Meyer, Sven F. E., to Industriaktiebolaget Elektro-Variator. Plugs with built-in phase inverters. 3,317,880, 5–2–67, Cl. 339—31.
Meyer, Vernis H., to Deere & Co. Herbicide incorporator. 3,327,786, 6–27–67, Cl. 172—151.
Meyer, Vernis H., to Deere & Co. Combination oiling and layby spray boom. 3,357,646, 12–12–67, Cl. 239—288.5.
Meyer, Walter, and R. S. Olsen, to Research Corp. Ion-exchange resin counter-current extraction apparatus. 3,298,-791, 1–17–67, Cl. 23—270.
Meyer, Walter E., to Cra-Vax Corp. Feed mechanism for an apparatus for opposing offset in printing. 3,310,205, 3–21–67, Cl. 222—193.
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Priesmeyer, Charles, and Prosen. 3,313,231.
Meyer, Werner H., and J. J. Curry, to American Machine & Foundry Co. Dispensing apparatus. 3,354,813, 11–28–67, Cl. 99—336.
Meyer, Werner T., to Esso Research and Engineering Co. Method of preparing geometrically uniform rolls of plastic film. 3,352,956, 11–14–67, Cl. 264—176.
Meyer, William: *See*—
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Slawinski, Richard C., and Meyer. 3,332,660.
Meyer, William C.: *See*—
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Meyer, William J., to Thiokol Chemical Corp. Method for preparing complexes of heavy metal halides and N,N,N′,N′-tetrakis(hydroxoyalkyl)alkylene diamines. 3,296,287, 1–3–67, Cl. 260—429.
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Meyerer, Paul, to Siemens & Halske Aktiengesellschaft. Permanent magnet system for the bundled guidance of an electron beam over a relatively long path, especially for traveling waves tubes. 3,329,915, 7–4–67, Cl. 335—210.
Meyerer, Paul, A. Kraus, and A. Hinckeldey, to Siemens Aktiengesellschaft. Beam generating system for electron tubes with a high breakdown strength. 3,358,173, 12–12–67, Cl. 313—82.
Meyerhoefer, Carl E., to Equitable Paper Bag Co., Inc. Vacuum cleaner bag with closed tube. 3,297,233, 1–10–67, Cl. 229—53.
Meyerhofer, Leonard G. Surfboard structure. 3,305,881, 2–28–67, Cl. 9—310.
Meyerhoff, Albert J., and H. C. Goodman, to Burroughs Corp. Current steering circuit. 3,351,924, 11–7–67, Cl. 340—174.
Meyers, Benjamin F.: *See*—
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Meyers, Clarence L., & Co., Inc.: *See*—
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Meyers, Donald N., and O. Stroukoff, to Piasecki Aircraft Corp. Coordinating control linkage. 3,309,937, 3–21–67, Cl. 74—471.
Meyers, Douglas C., to Shell Oil Co. Crude oil devaporizing process. 3,321,397, 5–23–67, Cl. 208—351.
Meyers, Douglas C., to Dresser Industries, Inc. Self-powered meter rate compensator. 3,342,071, 9–19–67, Cl. 73—261.
Meyers, Eugene, and J. Y. Powell, to Charles Pindyck, Inc. Garments for children. 3,304,556, 2–21–67, Cl. 2—69.5.
Meyers, Frederick C. Reinforced plastic containers for pressurized products. 3,327,907, 6–27–67, Cl. 222—402.16.
Meyers, Frederick C. Plastic container and valves for storing and dispensing pressurized products. 3,333,743, 8–1–67, Cl. 222—402.1.

Meyers, George L., to American Can Co. Package with contents holding means. 3,334,734, 8–8–67, Cl. 206—45.14.
Meyers, George L., to American Can Co. Bread package. 3,355,303, 11–28–67, Cl. 99—173.
Meyers, Gordon E. and Milton M., to Clarence L. Meyers & Co., Inc. Method of making stretch cotton knitted fabrics. 3,299,486, 1–24–67, Cl. 28—76.
Meyers, Harold S., to Waldorf Paper Products Co. Shipping folders. 3,295,741, 1–3–67, Cl. 229—40.
Meyers, Jacob G. Garbage can mounting. 3,323,852, 6–6–67, Cl. 312—319.
Meyers, Joseph A., E. G. Shay, and R. C. Taylor, to Atlantic Richfield Co. Alkylbenzene sulfonate detergent compositions containing 2-hydroxy-1-amino alkanes. 3,296,146, 1–3–67, Cl. 252—137.
Meyers, Laurence. Ion exchange apparatus for the modification of liquids. 3,337,444, 8–22–67, Cl. 204—257.
Meyers, Lawrence S. Article holder. 3,350,045, 10–31–67, Cl. 248—205.
Meyers, Max L.: *See*—
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Meyers, Michael D. Simulated costume or theatrical footwear. 3,304,629, 2–21–67, Cl. 36—7.2.
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Meyers, Gordon E. and Milton M. 3,299,486.
Meyers, Robert E., to The Dendix Corp. Actuator for turbine stator blades. 3,357,178, 12–12–67, Cl. 60—39.25.
Meyers, Rodney M. Drug distribution system. 3,347,358, 10–17–67, Cl. 206—47.
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Meyers, Stanley T., and J. P. Ratzlaff, to Bell Telephone Laboratories, Inc. Frequency shift receiver with noise frequency detection. 3,353,102, 11–14–67, Cl. 325—320.
Meyers, Theodore F., to The Hobart Mfg. Co. Food waste disposer and control therefor. 3,344,996, 10–3–67, Cl. 241—46.
Meyers, William F., and D. W. Klopp, to Honeywell, Inc. Electric current-producing cell with buffer zone. 3,355,328, 11–28–67, Cl. 136—93.
Meyer-Simon, Eugen, and A. Frey, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Production of mixtures of zirconium oxide and silicic acid. 3,300,414, 1–24–67, Cl. 252—454.
Meyer-Simon, Eugen, H. Mann, and A. Rucker, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Manganese and aluminum containing pink pigments for glazes and underglazes. 3,330,678, 7–11–67, Cl. 106—288.
Meyerson, Norman L., to Worthington Corp. Heat quantity meter. 3,301,049, 1–31–67, Cl. 73—193.
Meylan, Andre, and H. Haldegger, to Felsa S.A. Device for fitting together two pieces. 3,350,768, 11–7–67, Cl. 29—271.
Meylan, Bernard. Gas lighter construction. 3,301,019, 1–31–67, Cl. 67—7.1.
Meylan, Pierre: *See*—
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Ludkin, Basil A. 3,353,555.
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Miller, Edward F., to United States of America, Atomic Energy Commission. Process of producing rhenium for tungsten-rhenium alloys by the irradiation of tungsten. 3,324,-005, 6–6–67, Cl. 176—10.

Miller, Edwin A. Rotary electric tap switch with improved contact and detent means. 3,337,699, 8–22–67, Cl. 200—11.

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Miller, Gabriel L., to Bell Telephone Laboratories, Inc. Trigger circuit employing common-base transistors as steering means as in a flip-flop circuit for example. 3,359,432, 12–19–67, Cl. 307—88.5.

Miller, George. Fluid pump and heater system. 3,348,487, 10–24–67, Cl. 103—1.

Miller, George A., to Diamond Alkali Co. Composition and method for stabilizing soil. 3,306,756, 2–28–67, Cl. 106—84.

Miller, George A., to Diamond Alkali Co. Composition and method for stabilizing soil. 3,306,758, 2–28–67, Cl. 106—84.

Miller, George A. Toilet seat construction. 3,308,483, 3–14–67, Cl. 4—236.

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Miller, Harold E. Trail grader. 3,352,036, 11–14–67, Cl. 37—108.
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Miller, Harry, and R. Gerwig, to Cal Carton Mfg. Co. Unitary garment shipping carton. 3,337,030, 8–22–67, Cl. 206—7.
Miller, Harry B., to General Dynamics Corp. Acoustic apparatus. 3,309,654, 3–14–67, Cl. 340—10.
Miller, Harry C., and S. Helesfai, to Sargent & Greenleaf, Inc. Combination lock for security cabinets and the like. 3,339,-382, 9–5–67, Cl. 70—23.
Miller, Harry C., G. D. Paul, and J. Z. Thomolaris, to Sargent and Greenleaf, Inc. Ring guard combination lock. 3,339,383, 9–5–67, Cl. 70—333.
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Miller, Harvey R. Heat exchanger bundle. 3,324,942, 6–13–67, Cl. 165—173.
Miller, Henry C., and E. L. Muetterties, to E. I. du Pont de Nemours and Co. Process for preparing polyhydropolyborates. 3,328,134, 6–27–67, Cl. 23—358.
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Miller, Howard B. Electrical connection of metal sheathed cables. 3,324,231, 6–6–67, Cl. 174—88.
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Miller, Ira H., to Owens-Illinois, Inc. Anti-splash liquid pour-out fitment and closure therefor. 3,319,842, 5–16–67, Cl. 222—479.
Miller, Ira H., to Owens-Illinois, Inc. Anti-splash liquid pour-out fitment. 3,323,693, 6–6–67, Cl. 222—479.
Miller, Ivan K., to E. I. du Pont de Nemours and Co. Process for producing absorbent cellulose particles by shear precipitation. 3,338,884, 8–29–67, Cl. 260—232.
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Miller, James A. Method and apparatus for splicing wires. 3,332,455, 7–25–67, Cl. 140—115.
Miller, James C., to Radio Corp. of America. Memory circuits employing negative resistance elements. 3,339,185, 8–29–67, Cl. 340—173.
Miller, James C., and C. M. Wine, to Radio Corp. of America. Cryoelectric memories. 3,302,188, 1–31–67, Cl. 340—173.1.
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Miller, James W., to The Bendix Corp. Universal joint. 3,296,831, 1–10–67, Cl. 64—17.
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Miller, John C., H. N. Cotabish, and E. E. Buban, to Mine Safety Appliances Co. Combination breathing valve and speaking diaphragm unit. 3,348,537, 10–24–67, Cl. 128—141.
Miller, John D. Device for hot stamping indicia on webs. 3,301,370, 1–31–67, Cl. 197—6.7.
Miller, John J., to Mila-Ben International, Inc. Pressure vessel. 3,338,201, 8–29–67, Cl. 114—16.
Miller, John M.: *See*—
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Miller, John S., to The McKay Machine Co. Automatic billet scanning apparatus with edge sensing means for reversing scan. 3,311,819, 3–28–67, Cl. 324—37.
Miller, John W., to Lockheed Aircraft Corp. Web guidance device. 3,360,173, 12–26–67, Cl. 226—196.
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Mills, Jack, and C. W. Ryan, to Eli Lilly and Co. Cyclopropylpiperazinoalkyl phenothiazines. 3,342,816, 9–19–67, Cl. 260—243.
Mills, Jack F., R. D. Goodenough, and W. F. Nekervis, to The Dow Chemical Co. Process for treating water with bromine. 3,316,173, 4–25–67, Cl. 210—62.
Mills, John E., and E. J. Getz, to Westinghouse Electric Corp. Method and apparatus for stacking and packing wrapped electric lamps. 3,313,394, 4–11–67, Cl. 198—33.
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Mills, John K., to Bell Telephone Laboratories, Inc. Regulated inverter system. 3,324,377, 6–6–67, Cl. 321—16.
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Mills, King L., to Phillips Petroleum Co. Pelleting iron ore fines. 3,351,459, 11–7–67, Cl. 75—3.
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Mills, Robert J. Universal portable saddle rack. 3,305,101, 2–21–67, Cl. 211—87.
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Miltenberger, Robert S., R. B. Morgan, R. Duffett, Jr., and W. E. Shepherd, to National Steel Corp. Method of steelmaking. 3,323,906, 6–6–67, Cl. 75—60.
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Milton, Gary R., to American Thermoelectric Corp. Oil well heating apparatus control system. 3,346,722, 10–10–67, Cl. 219—499.
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Ming, Yip, E. F.-C. Li, and Y.-C. Cheng, to Sonca Industries Ltd. Pocket flashlight having clip and switch construction. 3,351,723, 11–7–67, Cl. 200—60.
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Miranda, Thomas J., to The O'Brien Corp. Water soluble condensation polymers. 3,329,635, 7–4–67, Cl. 260—22.

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Mirviss, Stanley B., and P. S. Skell, to Esso Research and Engineering Co. Ketones from saturated hydrocarbons and carbon monoxide. 3,356,720, 12–5–67, Cl. 260—533.

Mirviss, Stanley B., and A. F. Kopacki, to Stauffer Chemical Co. Poly-α-olefin compositions containing N,N,N′,N′-tetralkylphosphorodiamidothioic acid and esters thereof. 3,359,233, 12–19–67, Cl. 260—45.9.

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Misbin, Theodore J., and D. M. Fisher, to Radio Corp. of America. Document stacker. 3,333,843, 8–1–67, Cl. 271—71.

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Miserocchi, Henry F., to Branson Instruments, Inc. Method and apparatus for measuring the thickness of a laminar layer. 3,307,266, 3–7–67, Cl. 33—172.

Misevich, Kenneth W., and H. M. Sullivan, to Johnson Service Co. Humidity sensing element. 3,350,941, 11–7–67, Cl. 73—336.5.

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Miskel, John J., and W. Schlesinger, to White Laboratories, Inc. Calcium salts of lightly cross-linked ethylenically unsaturated carboxylic acids and diethylenically unsaturated aliphatics. 3,297,664, 1–10–67, Cl. 260—80.3.

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Miskin, Richard B. and M. R. Method of stacking and loading bales. 3,357,577, 12–12–67, Cl. 214—152.

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Mislan, Joseph D., to Systems Matrix, Inc. Semiconductor-controlled power circuit having a single-pole, double-throw switching action. 3,337,741, 8–22–67, Cl. 307—41.

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Misson, George W., to Pittsburgh Plate Glass Co. Method of manufacturing flat glass on a bi-level forming surface. 3,317,302, 5–2–67, Cl. 65—99.

Missouri-Rogers Corp. : *See*—
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Mistretta, Victor S. Disposable cylindrical razor apparatus. 3,299,507, 1–24–67, Cl. 30—49.

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Mitchell, Abraham J., and P. R. Jarvi, to The Mitchell-Bradford Chemical Co. Metal treating compositions and processes. 3,314,811, 4–18–67, Cl. 106—286.

Mitchell, Allan E., to International Business Machines Corp. Pulse powered fluid device with flow asymmetry control. 3,326,227, 6–20–67, Cl. 137—81.5.

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Mitchell, Boris J., H. W. Bielicki, and M. P. Roche, to General Motors Corp. Engine cylinder block. 3,320,940, 5–23–67, Cl. 123—195.

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Mitchell, Abraham J., and Jarvi. 3,314,811.

Mitchell, Charles L., to The Cincinnati Milling Machine Co. Hydraulic press. 3,357,218, 12–12–67, Cl. 72—28.

Mitchell, Charles V., to Union Carbide Corp. Carbon foam. 3,302,999, 2–7–67, Cl. 23—209.2.

Mitchell, Charles V., and I. C. Lewis, to Union Carbide Corp. Coking a mixture of a hydrocarbon and quinone. 3,347,776, 10–17–67, Cl. 208—46.

Mitchell, Colin C., and W. D. Stevenson, to F.N.R.D. Ltd. Power operated wrench. 3,302,496, 2–7–67, Cl. 81—53.

Mitchell, David C. : *See*—
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Mitchell, David F., to International Equipment Co. Filter tube for use in a centrifuge. 3,300,051, 1–24–67, Cl. 210—339.

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Mitchell, Donald H. Adjustable cushion. 3,350,727, 11–7–67, Cl. 5—345.

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Mitchell, Edward : *See*—
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Mitchell, Edward C. Goose decoy. 3,350,808, 11–7–67, Cl. 43—3.

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Mitchell, Farris, to Mobil Oil Corp. Cement-lined pipes of increased flexibility and method of making same. 3,322,157, 5–30–67, Cl. 138—177.

Mitchell, Frank J., to Textron Industries, Inc. Cutlery rivet. 3,316,793, 5–2–67, Cl. 85—39.

Mitchell, George A. Camera viewfinder. 3,343,471, 9–26–67, Cl. 95—42.

Mitchell, George E., to General Motors Corp. Electric motor starter circuit. 3,305,722, 2–21–67, Cl. 318—390.

Mitchell, George E. Golf stroke guide. 3,312,474, 4–4–67, Cl. 273—186.

Mitchell, George E., to General Motors Corp. Internal combustion engine ignition systems. 3,331,362, 7–18–67, Cl. 123—148.

Mitchell, George F., to Everyday Mfg. Co. Poultry watering trough and liner. 3,313,273, 4–11–67, Cl. 119—72.

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Moe, Clyde A., to The Dow Chemical Co. Electrophotographic rinse and method. 3,357,828, 12–12–67, Cl. 96—1.

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Moedritzer, Kurt, to Monsanto Research Corp. Preparation of halomethylphosphine sulfides from s-trithiane and phosphorus halides. 3,360,556, 12–26–67, Cl. 260—543.

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Moehl, Reno W., to Universal Oil Products Co. Hydrogen production in a fluidized bed of attrition resistant catalyst. 3,340,012, 9–5–67, Cl. 23—212.

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Moehlenpah, Walter G., and G. E. Pallme, Jr., to Hydro-Air Engineering, Inc. Suspension for press or the like. 3,315,595, 4–25–67, Cl. 100—214.

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Moen, Alfred M. Mixing valve. 3,358,714, 12–19–67, Cl. 137—625.17.

Moen, Alfred M. Swivel aerators with combination spray. 3,358,934, 12–19–67, Cl. 239—443.

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Moerkens, Jozef C., and H. Palmers, to North American Philips Co., Inc. Device employing two gas-and/or vapour discharge tubes. 3,324,349, 6–6–67, Cl. 315—188.

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Moffett, Robert B., to The Upjohn Co. N-(2-alkenyl)-azabicyclooctanes and nonanes. 3,334,088, 8–1–67, Cl. 260—239.

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Mogilevsky, Vitaly M., M. M. Savkin, and P. P. Taljko-Grintsevich, to Institute Gornogo Dela Sibirskoje otdelenie AN USSR. Ferrometer for oscilloscopic measurement of magnetic characteristics of samples of magnetically hard materials. 3,358,224, 12–12–67, Cl. 324—34.

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Mohr, Reinhard, and R. Bender, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Basic dialkyl benzimidazolium azo dyestuffs. 3,332,930, 7–25–67, Cl. 260—146.
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Broussalian, George L. 3,346,629.
Brown, Gordon E. 3,300,361.
Brown, Gordon E., Cox, and Kennar. 3,351,612.
Buckely, Francis T., Finch, and Seldin. 3,346,526.
Burnthall, Edward V., and Hirshfeld. 3,335,105.
Bynum, George D., and Sims. 3,309,734.

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Calaway, Lloyd R. 3,322,647.
Calfee, John D. 3,323,942.
Campbell, Charles R., and Johnson. 3,359,283.
Campbell, Charles R., Johnson, and Spiegelhalter. 3,313,-726.
Campbell, Charles R., Mathews, and Spiegelhalter. 3,335,-162.
Campbell, John R. 3,321,529.
Campbell, John R., and Hatton. 3,311,665.
Campbell, John R., and Hatton. 3,321,403.
Carlson, Emil H. 3,314,887.
Carlson, Frank A., Jr., Hatch, and Whittier. 3,303,076.
Carter, Don E. 3,310,975.
Carter, Ernest P., and Otstot. 3,303,639.
Chapman, Richard D., and Crovatt. 3,304,290.
Cheape, Dudley W., Jr. 3,346,932.
Cheape, Dudley W., Jr., and Hirshfeld. 3,354,113.
Chupp, John P. 3,301,922.
Chupp, John P. 3,326,749.
Chupp, John P., and Early. 3,305,440.
Clampitt, Rodney B., Birum, and Anderson. 3,306,937.
Coaker, Antony W. M., and Cohen. 3,322,858.
Coaker, Antony W. M., Cohen, and Ryan. 3,297,792.
Coaker, Antony W. M., Cohen, and Ryan. 3,322,857.
Cohen, Saul M. 3,320,222.
Coran, Aubert Y., and Anagnostopoulos. 3,313,845.
Coran, Aubert Y., and Morita. 3,308,103.
Corey, Albert E. 3,296,169.
Cornell, John H., Jr. 3,341,552.
Cox, Paul R., Jr., and Lanier. 3,318,833.
Criner, Gaspard X. 3,359,243.
Crompton, Thomas E. 3,317,954.
Crovatt, Lawrence W., Jr. 3,296,215.
Crovatt, Lawrence W., Jr. 3,329,633.
Crovatt, Lawrence W., Jr. 3,342,762.
Crutchfield, Marvin M., and Irani. 3,297,578.
Dahms, Ronald H., Hardy, and Popielski. 3,301,813.
Dale, James W., and O'Neill. 3,309,344.
D'Amico, John J. 3,295,946.
D'Amico, John J. 3,299,129.
D'Amico, John J. 3,301,832.
D'Amico, John J. 3,303,014.
D'Amico, John J. 3,306,906.
D'Amico, John J. 3,313,685.
D'Amico, John J. 3,328,154.
D'Amico, John J. 3,330,822.
D'Amico, John J. 3,337,574.
D'Amico, John J. 3,343,942.
D'Amico, John J. 3,344,134.
D'Amico, John J. 3,346,361.
D'Amico, John J. 3,346,564.
D'Amico, John J. 3,357,815.
D'Amico, John J. 3,359,247.
D'Amico, John J., and Harman. 3,305,576.
Danly, Donald E., and Whitesell. 3,329,712.
Darby, Joseph R., and Graham. 3,300,442.
Davis, George D., and Makin. 3,350,282.
Davis, Walter H., Jr. 3,334,533.
Day, Richard J. 3,359,205.
Delacretaz, Richard E., Stein, and Walter. 3,328,488.
Derby, Wallene R. 3,330,818.
Dill, Dale R. 3,297,424.
Dill, Dale R. 3,335,107.
Dill, Dale R. 3,336,360.
Dill, Dale R. 3,336,361.
Dill, Dale R. 3,336,363.
Dill, Dale R. 3,336,364.
Dill, Dale R. 3,336,365.
Dill, Dale R. 3,336,366.
Dill, Dale R. 3,336,370.
Dill, Dale R. 3,336,418.
Dill, Dale R. 3,347,906.
Dobinson, Frank. 3,329,651.
Dobinson, Frank. 3,359,241.
Dobo, Emerick J. 3,359,074.
Donovan, Donald W. 3,355,084.
Early, Jack D., and Chupp. 3,325,353.
Edwards, James W. 3,302,561.
Edwards, James W. 3,302,563.
Edwards, James W., Mays, and Larrigan. 3,302,560.
Edwards, James W., Mays, and Stout. 3,302,579.
Edwards, James W., Mays, and Stout. 3,302,580.
Edwards, James W., and Shelby. 3,331,941.
Edwards, James W., and Stout. 3,320,879.
Elbert, Donald L., and Wright. 3,346,916.
Elmer, Curtis. 3,346,443.
Elmer, Curtis, and Mestdagh. 3,352,744.
Engelbrecht, Robert M., Schuck, and Schultz. 3,315,009.
Erwin, Eugene S., and Marco. 3,328,168.
Fantl, Joel. 3,296,176.
Fantl, Joel, Hahn, Heaps, and Williams. 3,296,175.
Faria, James M., and Wright. 3,332,828.
Fariss, Robert H. 3,337,618.
Fariss, Robert H. 3,350,420.
Feierstein, Harold E., and Lewis. 3,329,616.
Fenn, Joe D. 3,300,153.
Fields, Joseph E. 3,329,658.
Fields, Joseph E., and Johnson. Re. 26,134.
Fields, Joseph E., and Johnson. 3,340,680.
Fields, Joseph E., and Mottus. 3,304,260.
Fields, Joseph E., and Mottus. 3,340,193.
Fink, Walter. 3,297,592.
Fink, Walter. 3,320,184.

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Fisher, Don E., Lamb, and Timbie. 3,334,829.
Fitch, Steven J., and Irani. 3,299,123.
Fitch, Steven J., and Irani. 3,312,623.
Fitzgerald, Warren E. 3,318,987.
Fortner, Cecil P., and Pinsky. 3,317,339.
Franz, John E. 3,321,492.
Franz, Raymond A., and Downs. 3,333,013.
Franz, Raymond A., and Moore. 3,305,598.
Gaertner, Van R. 3,314,897.
Gaertner, Van R. 3,345,251.
Gaertner, Van R. 3,345,252.
Gauthier, Roger A., Jr., and Snooks. 3,300,448.
Gebura, Stanley E. 3,325,555.
Geigel, Eugene W. 3,357,152.
Gluesenkamp, Earl W., Richard, and Wilshire. 3,328,380.
Goodner, Homer W. 3,299,780.
Goodner, Homer W. 3,343,753.
Gordon, Richard S. 3,359,160.
Graham, Paul R. 3,356,633.
Grantom, Roy L., and Spillane. 3,297,777.
Green, John M., and Horne. 3,343,086.
Green, John M., and McKinney. 3,354,390.
Griffith, Edward J. 3,314,751.
Griffith, Edward J., and Kodner. 3,312,523.
Hahn, Frank J. 3,355,403.
Hamm, Philip C. 3,314,849.
Hamm, Philip C., and D'Amico. 3,297,680.
Handleman, Avrom R., and Langguth. 3,342,749.
Hardy, Edgar E., and Beer. 3,350,332.
Harman, Marion W., and D'Amico. 3,318,676.
Harman, Marion W., and D'Amico. 3,330,643.
Harman, Marion W., and D'Amico. 3,330,821.
Harris, Alva F., and Mortimer. 3,297,669.
Harris, Darrel M. 3,329,527.
Harris, Darrel M. 3,351,742.
Hedrick, Ross M., and Mottus. 3,320,335.
Hedrick, Ross M., and Richard. 3,341,501.
Henderson, Courtland M., and Beaver. 3,343,373.
Henderson, William B., and Baur. 3,354,111.
Herber, John F. 3,320,313.
Herbst, Harold J. 3,330,619.
Herbst, Harold J., and Lyon. 3,316,110.
Hermes, Peter P. 3,309,863.
Hills, David G. 3,323,668.
Hills, William H., McIntosh, and Roy. 3,299,485.
Hills, William H., McIntosh, and Williams. 3,303,548.
Hirshfeld, Julian J. 3,343,980.
Hirshfield, Julian J., and Sample. 3,353,900.
Hirzy, John W. 3,336,362.
Hochwalt, Carroll A. 3,317,492.
Hodson, Phillip H., and Darlington. 3,334,021.
Hoffer, Maurice, Uldry, Ackermann, and De Bellet. 3,316,-594.
Holladay, Harry P., and J. D. Calfee. 3,309,225.
Holm, Myron J., and Zienty. 3,312,668.
Hovis, Louis S., Apperson, and Blackburn. 3,318,983.
Huck, Rodney M. 3,332,911.
Huffman, William A. H., and Clements. 3,344,102.
Huffman, William A. H., Holsten, and Preston. 3,335,114.
Huggins, James M. 3,346,503.
Hughes, Lawrence J. 3,322,831.
Irani, Riyad R. 3,325,357.
Irani, Riyad R. 3,348,613.
Irani, Riyad R., and Lyons. 3,346,487.
Irani, Riyad R., and Moedritzer. 3,298,956.
Irani, Riyad R., and Moedritzer. 3,344,077.
Irwin, Claude M. 3,335,042.
Isacks, Albert J., Jr., and Lugg. 3,344,085.
Jackson, Robert C. 3,334,827.
Jaworski, Ernest G., and Marco. 3,347,677.
Johnson, Dale R. 3,296,418.
Johnson, George A. 3,329 757.
Johnson, William K. 3,311,650.
Johnson, William K. 3,322,807.
Johnston, Peter R. 3,359,332.
Jones, Neville M., and Stephenson. 3,310,491.
Joyce, Samuel F., III. 3,318,836.
Katon, John E., and Miller. 3,312,541.
Keller, Leonard J. 3,306,501.
Kellert, Morton D. 3,320,203.
Kellert, Morton D., and De Shay. 3,325,432.
Kern, Roland J. 3,298,972.
Kern, Roland J. 3,299,012.
Kern, Roland J., Erbaugh, and Calfee. 3,326,882.
Kichline, Thomas P., Stahlheber, and Vetter. 3,337,347.
Kim, Keun Y. 3,343,909.
King, Henry L. 3,304,288.
King, Henry L., Bryan, and Tate. 3,305,534.
Koons, Russell E. 3,342,614.
Kornicker, Walter A. 3,297,733.
Kornicker, Walter A. 3,318,932.
Kowalski, Xavier. 3,296,069.
Kowalski, Xavier. 3,342,674.
Lam, Tat C. 3,319,186.
Lambuth, Alan L. 3,324,103.
Lambuth, Alan L. 3,342,776.
Langguth, Robert P. 3,338,829.
Langguth, Robert P., and Morgenthaler. 3,309,324.
Langguth, Robert P., and Morgenthaler. 3,350,305.
Larrigan, Harry J., Browne, and Adams. 3,295,365.
Lavin, Edward, Markhart, and Kass. 3,347,808.
Leach, Harry S., and Price. 3,338,982.

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LeBlanc, John R. 3,304,345.
Lee, Emerson H. 3,306,942.
Lee, Yoon C. 3,331,810.
Lee, Yoon C. 3,356,644.
Lee, Yoon C., and Nemphos. 3,316,208.
Lee, Yoon C., and Nemphos. 3,331,812.
Leland, Roger S. 3,344,084.
Lilyquist, Marvin R. 3,318,728.
Lloyd, Robert D. 3,316,027.
Lloyd, Robert D. 3,316,028.
Lloyd, Robert D. 3,316,029.
Locke, Frederic J. 3,303,107.
Locke, Frederic J. 3,359,326.
Lutz, Frank B. 3,334,363.
Lyons, John W. 3,325,289.
Lyons, John W., and Irani. 3,346,488.
MacDonald, Augus N., and Rabold. 3,317,453.
Maier, Ludwig. 3,302,251.
Maier, Ludwig. 3,321,557.
Maier, Ludwig. 3,336,378.
Maier, Ludwig. 3,342,871.
Maier, Ludwig. 3,359,266.
Makin, Earle C., Jr., and Davis. 3,356,594.
Makin, Earle C., Jr., and Resenberger. 3,350,283.
Marco, Gino J., and Speziale. 3,311,642.
Mark, Victor. 3,298,815.
Mark, Victor. 3,305,563.
Mark, Victor. 3,312,613.
Mark, Victor. 3,324,147.
Mark, Victor. 3,325,550.
Mark, Victor. 3,328,472.
Mark, Victor. 3,356,688.
Mark, Victor. 3,359,279.
Mark, Victor, and Reetz. 3,309,431.
Marotta, Ralph. 3,342,748.
Marotta, Ralph, and Teicher. 3,357,934.
Martin, Eugie A. 3,299,472.
Martins, Joseph G. 3,346,530.
Masson, James C. 3,300,453.
Masson, James C. 3,335,167.
Masson, James C. 3,344,127.
Matzner, Edwin A. 3,321,497.
Maurer, Richard P., and Aykanian. 3,324,211.
Mazzolini, Corrado, and Lo Monaco. 3,310,535.
McIntosh, Euell K. 3,295,181.
McIntosh, Euell K., and Howse. 3,343,364.
McIntosh, Euell K., and Taylor. 3,317,978.
McManimie, Robert J. 3,324,074.
McManimie, Robert J. 3,325,442.
McMinn, Talmage D., Jr. 3,303,230.
Metcalf, Joe S., Shaver, and Shen. 3,337,468.
Miller, Lee A. 3,298,909.
Miller, Robert E. 3,344,107.
Millward, Brian B. 3,341,494.
Milne, John S. 3,355,062.
Mitchell, Robert S. 3,356,775.
Moedritzer, Kurt. 3,309,408.
Moedritzer, Kurt, and Van Wazer. 3,344,161.
Mohs, Thomas J. 3,352,479.
Morgan, Herbert S., Jr., and Robinson. 3,329,758.
Morgan, Herbert S., Jr., and Robinson. 3,335,209.
Mortimer, George A. 3,306,888.
Mottern, John W., and Van Voorhis. 3,323,165.
Mottern, John W., and Van Voorhis. 3,343,207.
Mottus, Edward H. 3,311,559.
Mottus, Edward H. 3,311,597.
Mottus, Edward H., and Fields. 3,321,405.
Moziek, John. 3,306,445.
Mylo, John. 3,295,180.
Mylo, John. 3,328,982.
Mylo, John. 3,334,532.
Mylo, John. 3,353,431.
Mylo, John. 3,359,356.
Nagel, Alfred W. 3,302,930.
Nemphos, Speros P., and Delacretaz. 3,306,885.
New, John H., and Brown. 3,337,493.
Newallis, Peter E., Chupp, and Baker. 3,321,295.
Nielsen, Morris L. 3,347,643.
Nielsen, Morris L., and Hamilton. 3,338,802.
Novak, Darwin A., Jr. 3,325,413.
Null, Harold R., Bowe, and Binning. 3,335,179.
Null, Harold R., Bowe, and Binning. 3,350,419.
Oakes, David T. 3,332,872.
O'Brien, Joseph P., Reaville, and Erickson. 3,296,065.
Oftedahl, Marvin L. 3,335,188.
Oftedahl, Marvin L. 3,337,397.
Oftedahl, Marvin L. 3,358,031.
Olin, John F. 3,311,586.
Olin, John F. 3,318,675.
Olin, John F. 3,322,810.
Olin, John F. 3,325,270.
Olin, John F. 3,340,043.
Olin, John F. 3,345,151.
Olin, John F. 3,356,724.
Olive, Salvador, and Olive-Henrici. 3,300,461.
O'Neill, Robert J., and Tesdahl. 3,308,168.
Palethorpe, George. 3,318,978.
Palmer, Charles E. 3,301,143.
Palmer, Charles E. 3,317,109.
Palmer, Charles E. 3,317,110.
Paradis, Leo P., and Hall. 3,354,108.
Pelt, Thomas E. 3,304,441.
Perry, Eli. 3,322,742.

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Perry, Eli, 3,338,987.
Pickett, Oscar A., Jr. 3,296,214.
Pittenger, Evan W., and Edwards. 3,339,483.
Potts, Larry D., and Smith. 3,328,951.
Powell, Fred B., and Polk. 3,295,552.
Pratt, William S. 3,345,444.
Preston, Jack. 3,296,213.
Preston, Jack. 3,324,086.
Preston, Jack. 3,335,149.
Preston, James B., Carter, and Neely. 3,354,315.
Price, George B. 3,300,733.
Prill, Erhard J. 3,328,399.
Rademacher, Leo E. 3,347,841.
Rademacher, Leo E. 3,347,956.
Raether, Louis O. 3,296,180.
Rapp, Jay W. 3,339,238.
Ratts, Kenneth W. 3,350,447.
Ratts, Kenneth W. 3,355,351.
Ratts, Kenneth W. 3,359,322.
Reid, Samuel C. 3,332,031.
Reuben, Bertie J., Hirshfeld, Sample, and Yao. 3,313,-796.
Rider, Stuart H., and Le Blanc. 3,331,885.
Robinson, Horace M. 3,300,272.
Robinson, Jacques D. 3,334,060.
Roth, James F., and Schaefer. 3,356,757.
Ruehrwein, Robert A. 3,312,570.
Ruehrwein, Robert A. 3,312,571.
Ruehrwein, Robert A. 3,322,575.
Saunders, Elerington, and Schiff. 3,308,029.
Saunders, Elerington, and Schiff. 3,334,979.
Saunders, Elerington, and Wright. 3,357,790.
Savage, Preston R., and Brooks. 3,323,349.
Schisla, Robert M., and Gaertner. 3,300,376.
Schleppnik, Alfred A. 3,305,588.
Schuck, James M., and Schultz. 3,317,628.
Schuck, James M., Schultz, and Ort. 3,333,017.
Schultz, Robert G. 3,333,016.
Schultz, Robert G., Schuck, and Ort. 3,356,756.
Scopp, Howard A., and Signore. 3,324,060.
Setzer, Carl J. 3,353,345.
Sharp, Dexter B., and Le Blanc. 3,340,293.
Shaver, Kenneth J. 3,345,129.
Shelby, Richard K. 3,300,551.
Shelby, Richard K. 3,300,552.
Shelby, Richard K. 3,300,553.
Shelby, Richard K. 3,325,629.
Shelby, Richard K. 3,330,002.
Shelby, Richard K. 3,331,908.
Shelby, Richard K. 3,341,895.
Shen, Chung Y. 3,314,750.
Shen, Chung Y. 3,321,406.
Shen, Chung Y. 3,341,408.
Shen, Chung Y. 3,342,738.
Shen, Chung Y. 3,347,627.
Shen, Chung Y., and Metcalf. 3,303,134.
Simon, Robert H. M., and Oster. 3,345,430.
Sims, James G. 3,347,738.
Sims, James G., and Sovereign. 3,329,553.
Sims, Robert W. 3,339,350.
Sincock, Thomas F. 3,328,196.
Sincock, Thomas F. 3,335,022.
Sincock, Thomas F., Bogle, and Scopp. 3,306,755.
Slocombe, Robert J. 3,356,637.
Slocombe, Robert J., Salyer, and Newman. 3,346,528.
Smith, Lloyd B. 3,329,363.
Smith, Lowell R., and Speziale. 3,352,910.
Smith, Ralph W., Huffman, and Preston. 3,354,125.
Snyder, Joseph Q., Swisher, Weesner, and Wolford. 3,332,989.
Snooks, Rupert J., Jr. 3,296,216.
Sobocinski, Eugene C., and Symes. 3,354,158.
Sobocinski, Eugene C., and Symes. 3,357,979.
Speziale, Angelo J., and Hamm. 3,303,015.
Speziale, Angelo J., and Ratts. 3,325,542.
Speziale, Angelo J., and Smith. 3,318,947.
Speziale, Angelo J., and Smith. 3,337,600.
Speziale, Angelo J., and Smith. 3,359,301.
Sternberg, Ernest M. 3,347,475.
Sternberg, Ernest M. 3,347,478.
Sternberg, Ernest M. 3,353,759.
Stoffel, Paul J. 3,317,584.
Stoffel, Paul J. 3,322,811.
Stow, George C., Jr., Mallonee, and Barrett. 3,343,363.
Strauss, Robert G. 3,303,249.
Strauss, Robert G. 3,311,950.
Stutz, Frank. 3,342,664.
Sudhoff, Roy W. 3,344,143.
Sullivan, Daniel M., Monaghan, and Germain. 3,296,018.
Sullivan, Michael W. 3,308,045.
Symes, William F. 3,350,317.
Tate, Cilton W., Bryan, and King. 3,329,656.
Tate, Cilton W., and Congiumdi. 3,313,847.
Tate, John E. 3,296,217.
Taulli, Thomas A. 3,346,507.
Taylor, Ernest A., Jr. 3,343,382.
Taylor, Ernest A., Jr. 3,343,383.
Taylor, Ernest A., Jr. 3,353,379.
Taylor, Ernest A., Jr. 3,353,380.
Taylor, Ernest A., Jr. 3,353,381.
Thompson, Quentin E. 3,357,993.

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Tierney, Paul A. 3,328,339.
Trementozzi, Quirino A., Gebura, and Locke. 3,322,852.
Trementozzi, Quirino A., Gebura, and Locke. 3,322,853.
Trivette, Chester D., Jr., and Coran. 3,354,131.
Tung, Ching C. 3,325,288.
Tung, Ching C. 3,357,941.
Tung, Ching C., and Wilt. 3,326,959.
Udell, William R. 3,322,836.
Van Ness, John H., and Stephens. 3,328,173.
Van Ness, John H., and Stephens. 3,330,665.
Van Wazer, John R., Moedritzer, and Rausch. 3,350,435.
Veazey, Thomas M., and Eberhardt. 3,324,167.
Veazey, Thomas M., and Eberhardt. 3,359,187.
Veazey, Thomas M., Eberhardt, and Christensen. 3,313,-768.
Versen, Robert R. 3,334,049.
Vineyard, Billy D. 3,299,121.
Vineyard, Billy D. 3,312,619.
Vineyard, Billy D. 3,357,990.
Vinicki, John. 3,335,210.
Walker, Lloyd A. 3,356,657.
Wann, Robert E., and Godt. 3,301,655.
Weesner, William E. 3,324,203.
Weissenberger, Gustav. 3,312,725.
Wildi, Bernard S., and Hull. 3,300,399.
Wilken, Philip H. 3,304,222.
Wilkinson, Walter J., Brill, and De Shay. 3,342,761.
Williams, Charles R. 3,322,713.
Williams, Forrest V. 3,341,296.
Williams, Louis B., Jr. 3,358,919.
Woodbery, Hunter S. 3,358,322.
Wright, Felix, and Dolan. 3,310,372.
Wygant, James C. 3,360,545.
Wygant, James C., Anderson, and Prill. 3,317,568.
Wygant, James C., and Prill. 3,360,544.
Wygant, James C., Prill, Carter, and Kucia. 3,360,546.
Young, Charles W. 3,348,143.
Zeiss, Harold H. 3,316,283.
Zienty, Ferdinand B., and Holm. 3,299,096.
Zienty, Ferdinand B., and Holm. 3,322,829.
Zienty, Ferdinand B., and Holm. 3,355,464.

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Beaver, Emil R., Jr. 3,359,097.
Blake, Edward S., De Brunner, and Webster. 3,359,349.
Blake, Edward S., and Deebel. 3,354,222.
Dalton, David R., De Brunner, and Blake. 3,346,668.
De Brunner, Ralph E., Blake, and Richardson. 3,345,435.
De Brunner, Ralph E., Blake, and Webster. 3,324,182.
Driscoll, John S. 3,334,092.
Driscoll, John S. 3,334,093.
Driscoll, John S. 3,334,094.
Driscoll, John S. 3,341,534.
Fabuss, Belam, and Borsanyi. 3,318,667.
Garner, Albert Y. 3,296,265.
Garner, Albert Y. 3,346,647.
Garner, Albert Y. 3,354,166.
Garner, Albert Y. 3,354,215.
Gollis, Morton H., Wineman, and James. 3,312,732.
Grisley, Daniel W., Jr. 3,330,868.
Grisley, Daniel W., Jr. 3,334,144.
Grisley, Daniel W., Jr. 3,334,145.
Grisley, Daniel W., Jr. 3,341,605.
Gruber, Bernard A., and McElhill. 3,303,054.
Harris, John E. 3,330,853.
Harris, John E. 3,334,109.
James, John C. 3,352,898.
James, John C., Wineman, and Gollis. 3,341,577.
James, John C., Wineman, and Gollis. 3,352,917.
James, John C., Wineman, and Gollis. 3,352,918.
James, John C., Wineman, and Gollis. 3,356,730.
Johns, Iral B. 3,330,628.
Koch, Stanley D. 3,312,711.
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Morgan, Harold J., to General Dynamics Corp. Safety face mask. 3,298,031, 1–17–67, Cl. 2—9.
Morgan, Harvey L. Bandwidth compression and expansion by frequency division and multiplication. 3,349,184, 10–24–67, Cl. 179—15.55.
Morgan, Herbert S., Jr., and H. M. Robinson, Jr., to Monsanto Co. Treating polyester filament with a surface active compound to permit lagging before drawing. 3,329,758, 7–4–67, Cl. 264—290.
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Morgan, Raymond E. to General Electric Co. Time ratio control and inverter power circuits. 3,353,085, 11–14–67, Cl. 321—43.
Morgan, Raymond E., to General Electric Co. Time ratio control and inverter power circuits. 3,360,712, 12–26–67, Cl. 321—43.
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Morin, Louis H., ¼ each to M. F. McGill and J. R. Hanna. Method of making looped snells. 3,301,931, 1–31–67, Cl. 264—145.
Morin, Louis H., to Coats & Clark Inc. Die for intermolded number wheels. 3,302,242, 2–7–67, Cl. 18—30.
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Morin, Louis H., to Coats & Clark Inc. Traveler with wear resistant insert. 3,320,736, 5–23–67, Cl. 57—125.
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Morin, Louis H., ¼ to M. F. McGill and ¼ to J. R. Hanna. Machine for producing looped ends in fishhook leaders. 3,358,324, 12–19–67, Cl. 18—5.
Morin, Louis H., deceased, by B. and J. R. Hanna, executors. Integral slide fastener. 3,330,013, 7–11–67, Cl. 24—205.1.
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Moritz, Karsten H., and L. J. DeLany, to Esso Research and Engineering Co. Preventing color degration in the hydrogenation of hydrocarbon resins. 3,356,660, 12–5–67, Cl. 260—82.
Moriyama, Kazuhiro, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Apparatus for casting that automatically controls the correlation between time and air-pressure. 3,302,253, 2–7–67, Cl. 22—69.
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Morkoski, James, to International Harvester Co. Damage protected material chopping device. 3,357,467, 12–12–67, Cl. 146—117.
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Morley, Frederick W. W., and S. Cooper, to Rolls-Royce Ltd. Turbine bearing assembly. 3,357,757, 12–12–67, Cl. 308—26.
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Morra, Edward E. Rotary switch with roller detent apparatus directly biasing contact structure into open and closed positions. 3,346,708, 10–10–67, Cl. 200—11.
Morrell, Albert M., to Radio Corp. of America. Method of fabricating and processing cathode ray tubes. 3,335,479, 8–15–67, Cl. 29—25.13.
Morrell, Albert M., and R. H. Godfrey, to Radio Corp. of America. Cathode ray tube with mosaic type phosphor screen. 3,358,175, 12–12–67, Cl. 313—92.
Morrell, Don P. Pressure compensating means for pump. 3,301,192, 1–31–67, Cl. 103—120.
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Morrill, Richard W., and R. H. Nagel, to Xerox Corp. Copy counting system. 3,358,570, 12–19–67, Cl. 95—1.7.
Morrill, Vaughan, Jr. Apparatus and method for making accurate micromeasurements and for dispensing accurately measured small quantities of liquids. 3,317,083, 5–2–67, Cl. 222—1.
Morrill, Wayne J. Motor vibration isolating mounting. 3,317,124, 5–2–67, Cl. 230—273.
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Morris, Adolph R., to American Cyanamid Co. Soil antiredeposition agent. 3,335,086, 8–8–67, Cl. 252—89.
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Morris, George V., and P. B. Weill, to United States of America, Navy. Prevention of solids separation in H_2O_2. 3,356,-457, 12–5–67, Cl. 23—207.5.
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Buckingham, Joseph T., and Morris. 3,321,753.
Morris, Harold D., to Systron-Donner Corp. Accelerometer and sensing assembly therefor. 3,331,253, 7–18–67, Cl. 73—517.
Morris, Herbert E., to General Electric Co. DC motor control circuit. 3,335,351, 8–8–67, Cl. 318—341.
Morris Herbert E., to General Electric Co. Direct current motor plugging circuit. 3,344,328, 9–26–67, Cl. 318—258.
Morris, Herbert E., to General Electric Co. DC motor field control circuit. 3,360,705, 12–26–67, Cl. 318—246.
Morris, Horton H.: *See*—
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Backus, Owen F., and Morris. 3,317,318.
Morris, Israel W., III: *See*—
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Morris, Jack, to American Machine & Foundry Co. Manufacture of can bodies and the like. 3,337,944, 8–29–67, Cl. 29—413.
Morris, Jack, and J. Toohey, to American Machine & Foundry Co. Welding and scarfing apparatus. 3,349,212, 10–24–67, Cl. 219—59.
Morris, Jack D., to Texaco Inc. Tubing leak detector for wells, and method of operating same. 3,342,061, 9–19–67, Cl. 73—40.5.
Morris, James A., Jr., to The Boeing Co. Switching device. 3,319,077, 5–9–67, Cl. 307—88.5.
Morris, James E., to General Dynamics Corp. (Convair Division). Electrical connector contact crimping tool. 3,354,692, 11–28–67, Cl. 72—402.
Morris, John B.: *See*—
Hofferberth, James E., and Morris. 3,311,330.
Morris, John C., to Sperry Rand Corp. Clutch arrangement. 3,354,995, 11–28–67, Cl. 192—3.5.
Morris, John N.: *See*—
Swatman, Peter P., and Morris. 3,301,536.
Morris, John N., ½ to The S. U. Carburetter Co. Ltd., and ½ to Simmonds Precision Products, Inc. Fuel injection control system. 3,336,912, 8–22–67, Cl. 123—140.
Morris, Josephine H., (15/100) part to R. A. Marrs. Disposable garment shield. 3,346,878, 10–17–67, Cl. 2—55.
Morris, Julius W. Stitch preventing method and attachment for a sewing machine. 3,340,838, 9–12–67, Cl. 112—262.
Morris, Kenneth R. Pipe support. 3,298,645, 1–17–67, Cl. 248—71.
Morris, Leo R.: *See*—
Hubbard, Dale J., and Morris. 3,359,240.
Morris, Leo R., to The Dow Chemical Co. ar-Nitro-α-(2,2,2-trichloroethyl) styrene compounds. 3,336,401, 8–15–67, Cl. 260—646.
Morris, Louis. Ball and raceway amusement device. 3,304,-090, 2–14–67, Cl. 273—109.
Morris, Louis P.: *See*—
Houser, Roy W., Morris, and Chenaur. 3,338,268.
Houser, Roy W., Morris, and Chenaur. 3,359,388.
Morris, Lowell H., to Morris Mfg. Co. Connecting unit for tent frames. 3,330,582, 7–11–67, Cl. 287—85.
Morris, Lowell H., to Morris Mfg. Co. Detent guide for telescopic tube units. 3,347,575, 10–17–67, Cl. 287—58.
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Gates, Carl V. 3,359,912.
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Morris, Lowell H. 3,347,575.
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Morris, Paul E.: *See*—
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Dunn, William L. R. 3,298,115.
Lloyd, Wallace G. 3,347,247.
Staley, John. 3,301,468.
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Morris, Rexford W., to Therm-O-Disc, Inc. Thermostatic control having magnified movement of snap member. 3,322,920, 5–30–67, Cl. 200—138.
Morris, Richard M.: *See*—
Roberts, James R., Gregory, and Morris. 3,350,261.
Morris, Robert E.: *See*—
Dion, Reginald R., Benenati, Morris, and Coughlin. 3,340,438.

Morris, Robert J., Jr., to Mac Andrews & Forbes Co. Potentiation of chocolate flavor with ammoniated glycyrrhizin. 3,356,505, 12–5–67, Cl. 99—26.
Morris, Robert L. Photographic reproducing device. 3,302,-514, 2–7–67, Cl. 88—24.
Morris, Robert W., to Taylor Instrument Companies. Ribbon cable and switch improvements in coupling means. 3,327,-077, 6–20–67, Cl. 200—51.
Morris, Ronald G., to Beaver-Advance Corp. Traction lift for scaffolding towers. 3,298,462, 1–17–67, Cl. 187—2.
Morris, Shirley. Garment of pants type with non-sagging rear thigh portions. 3,323,140, 6–6–67, Cl. 2—227.
Morris, Theodore, Jr. Clinical Thermometer device. 3,308,-940, 3–14–67, Cl. 206—55.
Morris, Wilford V., to Hughes Tool Co. Reamer for jet piercer. 3,344,870, 10–3–67, Cl. 175—15.
Morris, William J., and R. C. Simmons, to Philco Ford Corp. Cabinet structure. 3,352,613, 11–14–67, Cl. 312—8.
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Thompson, William S., Jr., Frazier, and Morrisett. 3,346,002.
Morrisette, Milton J., to Fenwal Inc. Electrically operated visual indicator and fuse for fuel tank protection systems and the like. 3,303,307, 2–7–67, Cl. 200—121.
Morrison, Alexander R. Tree stand. 3,332,649, 7–25–67, Cl. 248—47.
Morrison, Ben. Upholstery construction. 3,310,819, 3–28–67, Cl. 5—353.
Morrison, Charles S., H. H. Denison, and K. R. Thomas, to Deere & Co. Crop harvester. 3,315,449, 4–25–67, Cl. 56—21.
Morrison, Dewey M. Single trigger mechanism for a double-barreled shotgun. 3,344,546, 10–3–67, Cl. 42—42.
Morrison, Donald G., to Fairbanks, Morse & Co. Force measuring system with electronic balancing and readout network. 3,324,962, 6–13–67, Cl. 177—210.
Morrison, Edward. Reconstructed internal combustion engine cylinder heads and method of making same. 3,351,043, 11–7–67, Cl. 123—32.
Morrison, Emmett G. Air cooling means for disc brakes. 3,318,424, 5–9–67, Cl. 188—264.
Morrison, Elbert F., and R. D. Joy, to Burlington Industries, Inc. Process and apparatus for making a novelty yarn. 3,350,867, 11–7–67, Cl. 57—12.
Morrison, Fred N.: *See*—
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Morrison, George W., to Western Body and Hoist Co., Inc Power operated cover means for trash hauling vehicle 3,338,623, 8–29–67, Cl. 296—101.
Morrison, George W., to Western Body and Hoist Co., Inc. Trash hauling truck. 3,351,222, 11–7–67, Cl. 214—302.
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Shavel, John, Jr., and Morrison. 3,314,964.
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Morrison, Heber J.: *See*—
Petts, George E., 3rd, and Morrison. 3,296,557.
Morrison, Hugh S. Adjustable concrete floor construction apparatus. 3,314,638, 4–18–67, Cl. 249—29.
Morrison, James P. Necktie rack. 3,349,922, 10–31–67, Cl. 211—113.
Morrison, John E., Jr., J. Arzoian, and K. M. Hunt, to Massey-Ferguson, Inc. Precision seed planter. 3,347,426, 10–17–67, Cl. 222—352.
Morrison, John F.: *See*—
Saddler, Jerry W., and Morrison. 3,345,119.
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Bate, Geoffrey, Speliotis, and Morrison. 3,342,633.
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Morrison, Willard L. 3,302,425.
Morrison, Norman E., to Electro Scientific Industries, Inc. Electrical chopper utilizing a shielded reed switch. 3,320,-559, 5–16–67, Cl. 335—151.
Morrison, R. F., & Co. Ltd.: *See*—
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Morrison, Ralph A., to United Shoe Machinery Corp. Indexing mechanisms. 3,326,058, 6–20–67, Cl. 74—393.
Morrison, Ralph C.: *See*—
Feather, Landis E., and Morrison. 3,351,693.
Morrison, Robert F., Jr., to United States of America, Army. Waveguide antenna with non-resonant slots. 3,308,467, 3–7–67, Cl. 343—705.
Morrison, Robert H., to Baker Perkins Ltd. Rotary article dispenser with register and predetermined count control. 3,334,784, 8–8–67, Cl. 221—7.
Morrison, Ronald F., to R. F. Morrison & Co. Ltd. Fittings for electrical fluorescent-tube lamps. 3,334,568, 8–8–67, Cl. 98—40.
Morrison, Thomas W., to SKF Industries, Inc. Rolling bearing assemblies. 3,343,895, 9–26–67, Cl. 308—196.
Morrison, Thomas W., and H. O. Walp, to SKF Industries Inc. Process for treating primarily metallic materials. 3,341,321, 9–12–67, Cl. 75—12.

Morrison, Wayne K. Self-loading boat carrier. 3,343,696, 9–26–67, Cl. 214—450.

Morrison, Willard L., deceased, by L. M. Morrison, legatee. Method and apparatus for handling and disposing of frozen food. 3,302,420, 2–7–67, Cl. 62—62.

Morrison, Willard L., to Elmwood Products, Inc. Method and apparatus for freezing perishable material. 3,302,423, 2–7–67, Cl. 62—266.

Morrison, Willard L., deceased, by L. M. Morrison, personal representative. Frozen food container. 3,302,425, 2–7–67, Cl. 62—373.

Morrison, Willard L., to Elmwood Liquid Products, Inc. Insulated shipper container. 3,302,815, 2–7–67, Cl. 220—9.

Morrison, Willard L., to Union Stock Yard and Transit Co. of Chicago. Insulated enclosure. 3,351,223, 11–7–67, Cl. 220—12.

Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Foamed plastic insulation. 3,357,585, 12–12–67, Cl. 220—9.

Morrison, William M. M., to Turner Mfg. Co., Ltd. Gear shift mechanisms. 3,298,483, 1–17–67, Cl. 192—3.5.

Morriss, Herbert A., Jr., to United States of America, Air Force. Protective optical system with offset light path and fusible optical mirror. 3,301,624, 1–31–67, Cl. 350—52.

Morrissey, Joseph W., to Corning Glass Works. Method of decorating semicrystalline bodies. 3,313,644, 4–11–67, Cl. 117—37.

Morritt, K. P., Ltd.: *See*—
Morritt, Kenneth P. 3,317,159.

Morritt, Kenneth P., to K. P. Morritt Ltd. Rotating spool fishing reel with air brake. 3,317,159, 5–2–67, Cl. 242—84.52.

Morrow, Alfred C., and H. S. Barr, Jr., to Pneumafil Corp. Doctor blade clearer. 3,340,577, 9–12–67, Cl. 19—98.

Morrow, Christopher M. Radar system. 3,307,182, 2–28–67, Cl. 343—14.

Morrow, Edward L., to Olin Mathieson Chemical Corp. Ventilated rib sight. 3,325,937, 6–20–67, Cl. 42—1.

Morrow, Floyd H.: *See*—
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Morrow, Harry C., to United States Steel Corp. Self-centering roll. 3,339,818, 9–5–67, Cl. 226—190.

Morrow, Jerome T.: *See*—
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Morrow, Robert S.: *See*—
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Thomas, Glen H., and Morrow. 3,331,252.
Thomas, Glen H., and Morrow. 3,340,476.
Thomas, Glen H., and Morrow. 3,349,257.

Morrow Scott I., to Thiokol Chemical Corp. Process for preparation of peroxide products. 3,344,194, 9–26–67, Cl. 260—610.

Morrow, Warren P., to United States of America, Army. Magnetically operated electrical switch. 3,344,379, 9–26–67, Cl. 335—206.

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Saxton, Gene R., and C. L. and J. K. Morganti. 3,306,383.

Morse, Albert R., to Injection Molders Supply Co., Inc. Injection machine positive stop. 3,317,962, 5–9–67, Cl. 18—30.

Morse, Arthur C., Jr., to Electronic Development Mfg. Corp. Automatic starter for prime movers. 3,308,305, 3–7–67, Cl. 290—38.

Morse, Arthur Osher, to American Machine & Foundry Co. Automatic positioning apparatus. 3,324,281, 6–6–67, Cl. 235—61.6.

Morse, Carl W. Lift device for counters and the like. 3,327,996, 6–27–67, Cl. 254—2.

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Jeffrey, Joseph O., Robinson, Mueller, and Hawley. 3,359,815.
Poyser, John, and Turner. 3,358,522.
Tennies, James O., Mead, and Allaben. 3,320,007.

Morse, Charles P., to National Aeronautics and Space Administration under provision of 42 U.S.C. 2457 (d). Method and device for cooling. 3,298,175, 1–17–67, Cl. 60—26.7.

Morse Controls Inc.: *See*—
Houk, Richard D. 3,349,638.
Moore, Bruce H. 3,349,637.
Morse, John F. 3,350,957.

Morse, Edward A., to Johnson & Johnson. Method of making non-planar fibrous articles. 3,306,795, 2–28–67, Cl. 156—85.

Morse, Edward A., to Johnson & Johnson. Sanitary napkin with knitted wrapper. 3,339,549, 9–5–67, Cl. 128—290.

Morse, George W.: *See*—
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Morse, George W. Hay wafer and method and apparatus for manufacture. 3,352,229, 11–14–67, Cl. 100—38.

Morse Instruments Inc.: *See*—
Houk, Richard D. 3,349,638.

Morse, James A., to The Adams Mfg. Co. Flame quenching air shutter for gas burners. 3,333,620, 8–1–67, Cl. 158—118.

Morse, Joe V.: *See*—
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Morse, John E.: *See*—
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Morse, John F. Method of making push-pull cable casings. 3,320,665, 5–23–67, Cl. 29—460.

Morse, John F., to Morse Controls Inc. Transmission control lever mount. 3,350,957, 11–7–67, Cl. 74—473.

Morse, Leighton L. High speed recorder with centrifugal stylus feed. 3,328,804, 6–27–67, Cl. 346—139.

Morse, Loyal P. Tool. 3,305,921, 2–28–67, Cl. 29—229.

Morse, Lynn H.: *See*—
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Land, Edwin H., Morse, and Yankowski. 3,345,166.

Morse, Meroe M., to Polaroid Corp. Monobath containing cysteine-nitrogenous base combination. 3,343,958, 9–26–67, Cl. 96—29.

Morse, Milton. Bicycle pedal having sealed lubrication means. 3,320,826, 5–23–67, Cl. 74—594.4.

Morse, Milton. Rolling link bicycle chain. 3,332,297, 7–25–67, Cl. 74—219.

Morse, Milton. Self aligning piston for transfer molding means. 3,344,478, 10–3–67, Cl. 18—42.

Morse, Milton. Rolling link bicycle chain. 3,344,677, 10–3–67, Cl. 74—219.

Morse, Milton. Geothermal means for desalinating sea water. 3,347,753, 10–17–67, Cl. 202—185.

Morse, Paul M., 33% to J. E. Morse. Divergent cam expansible chamber device. 3,332,613, 7–25–67, Cl. 230—137.

Morse, Peter W. Self-propelled aerial platform. 3,319,739, 5–16–67, Cl. 182—2.

Morse, Richard A., to Gulf Research & Development Co. Upgrading oil by in situ combustion. 3,332,489, 7–25–67, Cl. 166—11.

Morse, Richard A., to Pan American Petroleum Corp. Recovery of oil from reservoirs. 3,354,953, 11–28–67, Cl. 166—9.

Morse, Robert J., and H. M. Valentine, to Bendix-Westinghouse Automotive Air Brake Co. Compressor control valve. 3,329,154, 7–4–67, Cl. 137—116.

Morse, Roland B. Endless track vehicle. 3,338,325, 8–29–67, Cl. 180—6.7.

Morse, Stanley A., to Arlo Mfg. Corp. Means for restricting and releasing the outlet of a baler. 3,350,999, 11–7–67, Cl. 100—43.

Morse, Thomas M., to Western Electric Co., Inc. Passive earth satellite reflector. 3,324,470, 6–6–67, Cl. 343—18.

Morsink, Robert C.: *See*—
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Morss, Richard J.: *See*—
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Mortara, Holy S., to Rock-Ola Mfg. Corp. Pump means. 3,354,830, 11–28–67, Cl. 103—38.

Mortensen, La Vaughn L. Prosthetic leg with a hydraulic knee control. 3,316,558, 5–2–67, Cl. 3—1.2.

Mortensen, Louis A. Plastic fastening member for snap fasteners. 3,309,748, 3–21–67, Cl. 24—216.

Mortensen, Richard C.: *See*—
Oltean, George, Mortensen, and Jessen. 3,298,228.

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Mortimer, Edmund W., to Garrard Engineering Ltd. Disc gramophones employing a pivoted pickup arm. 3,318,603, 5–9–67, Cl. 274—23.

Mortimer, Edmund W., to Garrard Engineering Ltd. Automatic trip mechanism for gramophones. 3,359,006, 12–19–67, Cl. 274—1.11.

Mortimer, Frank R., to Dunlop Rubber Co., Ltd. Locking and sealing devices. 3,296,742, 1–10–67, Cl. 49—319.

Mortimer, George A.: *See*—
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Mortimer, George A., to Monsanto Co. Azo compounds. 3,306,888, 2–28–67, Cl. 260—94.9.

Mortimer, George H.: *See*—
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Mortley, Wilfrid S., to The Marconi Co. Ltd. Frequency-dispersive electro-mechanical delay cell utilizing grating. 3,300,739, 1–24–67, Cl. 333—30.

Morton, David C., to Bethlehem Steel Corp. Reversing motor control including load sensing to determine optimum reversal point. 3,296,513, 1–3–67, Cl. 318—265.

Morton, David F., to The Black Clawson Co. Paper machinery. 3,342,425, 9–19–67, Cl. 241—46.

Morton, Evans T., to Aqua-Chem, Inc. Heat-pump compressor type distillation apparatus for purifying water. 3,312,600, 4–4–67, Cl. 202—160.

Morton, Geoffrey W., to Her Majesty the Queen in right of Canada, as represented by Canadian Patents and Development Ltd. Rotatable joint for a waveguide. 3,309,114, 3–14–67, Cl. 285—11.

Morton, George A., and G. L. Krieger, to United States of America, Army. Pick up tube with infrared sensitive thermionic cathode with cooling means spaced from the thermionic cathode. 3,333,133, 7–25–67, Cl. 313—65.

Morton, Harold, to Oldham & Son Ltd. Miners' cap lamps. 3,334,223, 8–1–67, Cl. 240—11.3.

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Woodruff, Douglas. 3,340,217.
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Morton, James R. and W. L. Clothes hamper. 3,349,936, 10–31–67, Cl. 217—3.
Morton, John C. Stair climbing device. 3,330,370, 7–11–67, Cl. 180—9.22.
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Morton, Raymond C. Miss-distance indicator. 3,303,767, 2–14–67, Cl. 95—12.5.
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Morton, Robert D., to The Hartford Special Machinery Co. Thread rolling machine. 3,308,642, 3–14–67, Cl. 72—88.
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Morton, Wayne L.: *See*—
Morton, James R. and W. L. 3,349,936.
Morton, William A., and A. S. Sobek, to Sunbeam Corp. Method and apparatus for making steel. 3,342,470, 9–19–67, Cl. 266—9.
Morton, William D., Jr., to Sierra Engineering Co. Retaining means for face masks. 3,315,673, 4–25–67, Cl. 128—141.
Mortsell, Tage E., deceased (by G. Ahlstrom, administrator), to Sala Maskinfabriks Aktiebolag. Drum type magnetic separator. 3,327,852, 6–27–67, Cl. 209—219.
Morway, Arnold J., to Esso Research and Engineering Co. Lubricants containing mixed metal salts of fatty acid and aromatic polybasic acid. 3,298,953, 1–17–67, Cl. 252—41.
Morway, Arnold J., and A. J. Bodner, to Esso Research and Engineering Co. Calcium mixed salt lubricating greases containing polycarboxylic acid. 3,314,886, 4–18–67, Cl. 252—32.7.
Morway, Arnold J., and R. Kassinger, to Esso Research and Engineering Co. Calcium acetate fluid lubricants. 3,328,-299, 6–27–67, Cl. 252—40.7.
Morway, Arnold J., and A. J. Bodner, to Esso Research and Engineering Co. Method of forming finely divided inorganic acid salts. 3,340,206, 9–5–67, Cl. 252—389.
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Winkler, Morris B. 3,314,435.
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Mos, Bob J., to Consolidated Electrodynamics Corp. High resolution digital magnetic head with flux focusing shield. 3,325,795, 6–13–67, Cl. 340—174.1.
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Mosebach, Carl H. Pneumatic tire construction. 3,329,193, 7–4–67, Cl. 152—340.
Mosbach, Karl T. R. Chromatographic separation of substances of different molecular weight. 3,298,925, 1–17–67, Cl. 195—66.
Mosby, William L., to American Cyanamid Co. 1,4-naphthoquinones. 3,325,512, 6–13–67, Cl. 260—326.
Mosby, William L., H. C. Gillham, and A. E. Sherr, to American Cyanamid Co. Flame retardant thermoplastic resins containing dihalo-phosphoranylideneamino benzoquinones. 3,322,860, 5–30–67, Cl. 260—893.
Moschetta, Benjamin: *See*—
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Moschetta, Joseph and B. Mercury type electrical switch. 3,356,812, 12–5–67, Cl. 200—152.
Moschetti, Donald J., M. G. Smith, and R. E. Ripplinger, to General Electric Co. Rotary endorser under control of document sensing means. 3,335,661, 8–15–67, Cl. 101—235.
Moschopedis, Spiros E., to Canadian Patents and Development Ltd., National Research Council. Sulfomethylation of humic acids, lignites, and coals and products thereof. 3,352,-902, 11–14–67, Cl. 260—507.
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Moseley, John B., to General Time Corp. Drive and stop control for a driven machine. 3,352,396, 11–14–67, Cl. 192—142.
Moseley, Robert B., and M. N. Papadopoulos, to Shell Oil Co. Hydration of olefins to alcohols and ethers using halogenated alkanol solvents. 3,299,150, 1–17–67, Cl. 260—614.
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Moseley, Walter W., Jr., and R. G. Parrish, to E. I. du Pont de Nemours and Co. Linear synthetic polymeric fiber. 3,318,849, 5–9–67, Cl. 260—77.5.
Moseley, Walter W., Jr., and R. G. Parrish, to E. I. du Pont de Nemours and Co. Highly tear-resistant polyolefin biaxially oriented sheet. 3,328,227, 6–27–67, Cl. 161—112.
Moseley, William K., P. R. Elliker, and W. E. Sandine. Method for preparing a creaming composition for diary products and the resulting product. 3,323,921, 6–6–67, Cl. 99—59.
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Mosher, Robert A., to Standard Oil Co. Gelatin desiccant tablets. 3,298,958, 1–17–67, Cl. 252—194.
Mosher, Walter N. Torque arm connection. 3,317,226, 5–2–67, Cl. 287—93.
Moshier, Ross W., R. E. Sievers, and L. B. Spendlove. Vaporplating metals from fluorocarbon keto metal compounds. 3,356,527, 12–5–67, Cl. 117—107.2.
Moshy, Raymond J., F. J. Germino, and H. W. P. Panzer, to American Machine and Foundry Co. Method for making amylose derivatives. 3,326,893, 6–20–67, Cl. 260—233.3.
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Mosier, Kenneth C. Check valve having throttling passage. 3,298,393, 1–17–67, Cl. 137—513.3.
Mosier, Kenneth C. Fluid valves. 3,313,317, 4–11–67, Cl. 137—625.46.
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Moskovitz, Milton A. Ball joints. 3,337,247, 8–22–67, Cl. 287—90.
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Motson, James F. Electroluminescent lamp having a transparent nickel, chromium, iron alloy metal electrode. 3,329,850, 7–4–67, Cl. 313—108.

Motson, James F. Method of making miniaturized electroluminescent lamp. 3,359,633, 12–26–67, Cl. 29—624.

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Mouis, Louis, to Furnas Electric Co. Manual contactor with low voltage release. 3,315,190, 4–18–67, Cl. 335—21.
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Vercellotti, Dale J., and Loebeck. 3,355,032.
Mouissie, Bob, to Paillard S.A. Automatic end fastener for film spool. 3,323,746, 6–6–67, Cl. 242—74.2.
Mouissie, Bob, to Paillard S.A. Case for kinematographic films. 3,342,431, 9–19–67, Cl. 242—55.13.
Mouissie, Bob, to Paillard S.A. Means for locking and unlocking the spool of a film magazine. 3,353,763, 11–21–67, Cl. 242—55.13.
Mouissie, Bob, and C. Devenoges, to Paillard S.A. Cinematographic projector with indexing loader. 3,342,541, 9–19–67, Cl. 352—123.
Moulden, Howard N., to Chevron Research Co. Continuous process for alkylating an aromatic hydrocarbon. 3,355,508, 11–28–67, Cl. 260—671.
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Kohl, Peter C., and Moulder. 3,337,023.
Moulder, Morgan M. Dissolver container having flanges at both ends to protect threaded hose couplings. 3,343,918, 9–26–67, Cl. 23—267.
Moulds, Gordon M., to E. I. du Pont de Nemours and Co. Stabilized cellulose ester. 3,314,808, 4–18–67, Cl. 106—183.
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Rogers, James G., and Moulin. 3,346,738.
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Moulton, Arthur K. Screen structure. 3,341,013, 9–12–67, Cl. 209—403.
Moulton, Arthur K. Process and apparatus for conditioning materials. 3,343,812, 9–26–67, Cl. 259—2.
Moulton, Charles L., to United States of America, Atomic Energy Commission. Automatic digital tool-setting system. 3,350,966, 11–7–67, Cl. 82—21.
Moulton, James A., and A. E. Simpson, to North American Aviation, Inc. Signal compression apparatus employing selectively enabled amplifier stages utilized in a monopulse angle-off-boresight radar. 3,350,571, 10–31–67, Cl. 307—88.5.
Moulton, Joseph D., P. F. Grieger, and T. L. Treitler, to Chemetron Corp. Gas measuring method and apparatus. 3,308,648, 3–14–67, Cl. 73—23.
Moulton, Stephen W., to TRG, Inc. Antenna structure unfurlable from ribbon form into tubular shape. 3,331,075, 7–11–67, Cl. 343—84.
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Foster, Raymond H., and Knapp. 3,330,457.
Gibb, Robert O. 3,324,718.
Ivester, Allan J., and Knapp. 3,308,523.
Knapp, George P. 3,312,414.
Knapp, George P., and Dean. 3,324,525.
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Smith, Leo J. 3,350,933.
Westgate, Ronald C. 3,308,519.
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Mount, Wadsworth W., to Tecon Corp. Pile shells and couplings. 3,326,006, 6–20–67, Cl. 61—53.
Mount, Wadsworth W. Coring apparatus. 3,352,160, 11–14–67, Cl. 73—425.2.
Mount, Wadsworth W. Pile driving mechanisms. 3,356,164, 12–5–67, Cl. 173—102.
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Mountfield, Brian A., to Imperial Chemical Industries Ltd. Process for the manufacture of urethanes by reaction of a hydroxyl compound, carbon monoxide, and an aliphatic or aromatic nitro compound. 3,338,956, 8–29–67, Cl. 260—471.
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Mourier, Jean, to Benson-France. Graphic recorder. 3,305,873, 2–21–67, Cl. 346—112.
Mouser, William N., to United States of America, Army. Tool for crimping seals on containers. 3,308,603, 3–14–67, Cl. 53—334.
Moutaud, Gilberte M., and J. L. Duflos, ½ to Societe le Carbone-Lorraine, Etablissements Pierre Genin. Process of graphitizing "polynosic" regenerated cellulose fibrous textile and resulting fibrous graphite textile. 3,322,489, 5–30–67, Cl. 8—116.
Moutet, Andre and H., to Office National d'Etudes et de Recherches Aerospatiales Chatillon s/Bagneux. Hypergolic gas generator. 3,315,472, 4–25–67, Cl. 60—251.
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Mowbray, Dorian F., to Joseph Lucas (Industries) Ltd. Hydraulic pumps. 3,339,489, 9–5–67, Cl. 103—38.
Mowell, Roger W., and J. Mascenik, to Esso Research and Engineering Co. Bow mooring. 3,349,816, 10–31–67, Cl. 141—387.
Mower, Wilford E., J. H. Pepper, and D. H. Smith, to Beckman Instruments, Inc. Rectilinear actuator and potentiometer. 3,335,385, 8–8–67, Cl. 338—116.
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McDowell, Alan, and Mowery. 3,299,289.
Mowll, Roger T. L., and H. M. C. Smith, to The British Petroleum Co. Ltd. Purging and desorbing a molecular sieve with pentane. 3,342,726, 10–19–67, Cl. 208—310.
Mowrey, Ralph A. Bait caster. 3,352,050, 11–14–67, Cl. 43—41.2.
Mowry, David R., and K. M. Clark, to Bourns, Inc. Calibratable pressure-sensitive actuator. 3,348,005, 10–17–67, Cl. 200—83.
Mowry, Volney E., to Stackpole Carbon Co. Pressure equalizing device for split brushes. 3,311,768, 3–28–67, Cl. 310—246.
Moxley, Arthur R., and H. C. Ince, to The Procter & Gamble Co. Process and apparatus for cleaning peanuts. 3,326,256, 6–20–67, Cl. 146—226.
Moxon, Harry, and T. Durrant, to Rolls-Royce Ltd. Combustion equipment for a gas turbine engine. 3,303,644, 2–14–67, Cl. 60—39.37.
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Moyer, Edward J., and R. J. Sullivan, to Caterpillar Tractor Co. Belt ejector bucket and control linkage therefor. 3,349,934, 10–31–67, Cl. 214—767.
Moyer, Edward L., to The Bendix Corp. Independently operable dual brake actuating apparatus. 3,312,313, 4–4–67, Cl. 188—106.
Moyer, Elmo E., and C. R. Brandow, to Espey Mfg. & Electronics Corp. Circuit for converting direct current to alternating current having a stable output frequency and voltage. 3,344,336, 9–26–67, Cl. 321—18.
Moyer, Golden A., and J. T. Cabbage, to Phillips Petroleum Co. Gas oil reflux controller. 3,297,566, 1–10–67, Cl. 208—355.
Moyer, Golden A., and S. E. Forsyth, to Phillips Petroleum Co. Quenching of catalytic cracking reactor vapors in feed line to fractionator. 3,338,821, 8–29–67, Cl. 208—113.

Moyer, Hallard C., to Sinclair Research, Inc. Coating and laminating compositions consisting of blend of paraffin, isoparaffin and microcrystalline waxes with ethylene-vinyl acetate copolymer. 3,297,610, 1–10–67, Cl. 260—28.5.

Moyer, Hallard C., to Sinclair Research, Inc. Dewaxing and deoiling process. 3,329,602, 7–4–67, Cl. 208—31.

Moyer, Hallard C., T. J. Karr, and A. L. Guttman, to Sinclair Research, Inc. Wax coating composition. 3,338,905, 8–29–67, Cl. 260—28.5.

Moyer, Harris P., and W. T. Bardouski, to Unarco Industries, Inc. Dockboard. 3,314,094, 4–18–67, Cl. 14—71.

Moyer, James D., to Textile Machine Works. Apparatus for forming pouches in circularly knitted fabrics. 3,301,013, 1–31–67, Cl. 66–54.

Moyer, James T., and F. R. Rausch, to International Business Machines Corp. Input/output control. 3,303,476, 2–7–67, Cl. 340–172.5.

Moyer, Lando K., and G. B. Van Waldron, Jr., to United States of America, Army. Automatic fail-safe dual-voltage power supply circuit. 3,348,132, 10–17–67, Cl. 323—43.5.

Moyer, Ralph O., Jr.: *See*—
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Moyer, Ralph O., Jr., D. R. Ecker, and W. J. Spry, Jr., to Union Carbide Corp. Process for carbonizing cellulosic textile materials. 3,333,926, 8–1–67, Cl. 23—209.1.

Moyer, Richard H., to United Aircraft Corp. Hydrid solid state device. 3,305,814, 2–21–67, Cl. 336—200.

Moyer, Richard L., to Hercules Inc. Injection molding apparatus. 3,355,764, 12–5–67, Cl. 18—12.

Moyer, Robert F., to Harsco Corp. Method of making a die bushing with a replaceable liner. 3,308,524, 3–14–67, Cl. 29—149.5.

Moyer, Robert F., to Elastic Die Engineering Co. Pre-loaded axially extensible anti-friction bearing. 3,353,876, 11–21–67, Cl. 308—6.

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Moyson, Joseph, and J. Petruzella, to General Electric Co. PNPN switch with $10<\frac{N_B}{N_E}<100$ so that conductivity modulation results during turn-off. 3,354,363, 11–21–67, Cl. 317—235.

Moziek, John, to Monsanto Co. Method and apparatus for unloading plates and frames. 3,306,445, 2–28–67, Cl. 210—67.

Mozis, John T., to Motorola, Inc. Control for auxiliary speaker in radio receiver. 3,331,024, 7–11–67, Cl. 325—312.

Mozzi, Henry J., to Stewart-Warner Corp. Means for and method of coating a surface with a fluid film. 3,301,699, 1–31–67. Cl. 117—111.

Mraz, Steve J. Rotary slitting knife. 3,312,135, 4–4–67, Cl. 83—675.

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Mrenna, Stephen A., and H. E. Reichert, to Westinghouse Electric Corp. Enclosed circuit interrupting structure with improved latching mechanism. 3,341,672, 9–12–67, Cl. 200—50.

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Muccillo, Vincent. Coat vent construction. 3,354,469, 11–28–67, Cl. 2—93.

Muccino, Frederick R., to United States of America, Navy. Pressure stabilized welding apparatus. 3,355,569, 11–28–67, Cl. 219—86.

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Mucher, George J., to Clarostat Mfg., Inc. Variable resistor. 3,346,831, 10–10–67, Cl. 338—145.

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Muckelrath, Ernest R., to Air Heaters, Inc. Air and water heater. 3,299,878, 1–24–67, Cl. 126—101.

Muckinhaupt, Frederick H. Fracture setting device. 3,299,888, 1–24–67, Cl. 128—87.

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Muehleisen, Roland W.: *See*—
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Muehling, Anthony A., to Mid-West Abrasive Co. Hydraulic system for grinding machines. 3,335,525, 8–15–67, Cl. 51—35.

Mueller, Albert, to Shell Oil Co. Process for preparing flexible resinified products from polyepoxides and resulting products. 3,299,008, 1–17–67, Cl. 260—78.5.

Mueller, Albert C., to Shell Oil Co. Polyepihalohydrin preparation using fluoboric acid catalyst. 3,305,565, 2–21–67, Cl. 260—348.6.

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Mueller, Carl H., and R. F. Schneller, to McNeil Corp. Belt tensioner tool. 3,325,095, 6–13–67, Cl. 254—100.

Mueller, Chester E., and R. D. Follrath, to Anaconda Wire and Cable Co. Shoe for use with edge rolling apparatus. 3,330,144, 7–11–67, Cl. 72—250.

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Entschel, Roland, Mueller, and Wehrli. 3,341,514.

Mueller, Curt, to Sandox Ltd. Monoazo dyes. 3,342,804, 9–19–67, Cl. 260—207.1.

Mueller, Curt, and R. Altermatt, to Sandoz Ltd. (also known as Sandoz A.G.). Monoazo dyes. 3,359,256, 12–19–67, Cl. 260—205.

Mueller, Denis A., and D. J. MacGregor, to Westinghouse Electric Corp. Phase angle controlled firing circuit for valves in multi-phase system. 3,332,008, 7–18–67, Cl. 323—22.

Mueller, Donald W., to United States of America, Atomic Energy Commission. Prestressed concrete containment vessel. 3,301,041, 1–31–67, Cl. 73—35.

Mueller Electric Co.: *See*—
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Mueller, Erich H. K., B. Osann, and C. Mueller, to Huettenwerk Salzgitter Aktiengesellschaft. Process and apparatus for intermixing liquids, more especially metal smelts. 3,348,817, 10–24–67, Cl. 259—72.

Mueller, Erich O., to Westinghouse Electric Corp. Transportation vehicles. 3,312,180, 4–4–67, Cl. 104—246.

Mueller, Ernst. Highway guard fence. 3,351,322, 11–7–67, Cl. 256—13.1.

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Mueller, Eugene A., to The Hamlin Metal Products Corp. Foot pedal. 3,313,177, 4–11–67, Cl. 74—594.6.

Mueller, Floyd F., and M. Turko, to Hamilton Mfg. Co. Adjustable drum support for a laundry dryer. 3,333,347, 8–1–67, Cl. 34—139.

Mueller, Francis E.: *See*—
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Mueller, Frank H., to Mueller Co. Rotary tapered plug valve and method of assembly. 3,333,812, 8–1–67, Cl. 251—164.

Mueller, Frank H., to Mueller Co. Packing chambers for O-rings. 3,359,999, 12–26–67, Cl. 137—246.15.

Mueller, Frank H., and J. J. Smith, to Mueller Co. By-pass type meter setting. 3,296,861, 1–10–67, Cl. 73—201.

Mueller, Frank H., and O. E. Brown, to Mueller Co. Hydrant breaker flange. 3,331,397, 7–18–67, Cl. 137—797.

Mueller, Frank H., and W. L. Hauffe, to Mueller Co. Rotary plug valve. 3,349,799, 10–31–67, Cl. 137—625.22.

Mueller, Fred: *See*—
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Mueller, Frederick L., to Union Oil Co. of California. Motor fuel composition. 3,303,007, 2–7–67, Cl. 44—56.

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Mueller, Gustav A.: *See*—
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Mueller, Heinrich: *See*—
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Honsberg, Werner, and Mueller. 3,354,071.
Mueller, Heinz E., and D. E. Singelmann, to United States of America, Air Force. Method of making heat exchangers. 3,340,588, 9–12–67, Cl. 29—157.3.
Mueller, Herbert: *See*—
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Mueller, Herbert, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of metal-free phthalocyanines. 3,297,712, 1–10–67, Cl. 260—314.5.
Mueller, Herbert B. Card controlled auto park. 3,339,693, 9–5–67, Cl. 194—4.
Mueller, Herman. Folding table. 3,303,797, 2–14–67, Cl. 108—63.
Mueller, Jacob, to Sperry Rand Corp. Lamp socket. 3,335,387, 8–8–67, Cl. 339—17.
Mueller, James H., and C. M. Pascale, to Thiokol Chemical Corp. Time delay initiator. 3,296,969, 1–10–67, Cl. 102—82.
Mueller, James P.: *See*—
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Mueller, Johannes, to Ciba Corp. Process for obtaining alkaloids. 3,337,561, 8–22–67, Cl. 260—294.3.
Mueller, Johannes, and E. Ménard, to Ciba Corp. Aminomethyl derivatives of rutin and process for the manufacture thereof. 3,336,198, 8–15–67, Cl. 167—65.
Mueller, Johannes G., to Weil-McLain Co., Inc. Air elimination device. 3,308,607, 3–14–67, Cl. 55—201.
Mueller, John H.: *See*—
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Mueller, John H., to Republic Mfg. Co. Directional flow control valves. 3,324,887, 6–13–67, Cl. 137—625.
Mueller, John J., to Air-Ject Corp. Dispensing device. 3,319,837, 5–16–67, Cl. 222—212.
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Mueller, Klaus P., to Robertshaw Controls Co. Pneumatic control device. 3,295,544, 1–3–67, Cl. 137—85.
Mueller, Klaus P., to Robertshaw Controls Co. Condition responsive solid state transducing and indicating controller means. 3,360,715, 12–26–67, Cl. 323—75.
Mueller, Klaus W., to Diamond International Corp. Furnace. 3,301,201, 1–31–67, Cl. 110—10.
Mueller, Kurt F., and W. E. McQuistion, to United States of America, Navy. Difluoroamino compounds and process for the preparation thereof. 3,337,627, 8–22–67, Cl. 260—570.5.
Mueller, Leo J.: *See*—
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Mueller, Martin, to S. C. Graham. Nestable plastic container. 3,327,895, 6–27–67, Cl. 220—97.
Mueller, Martin, to Flexible Plastic Straw Corp. Flexible drinking straws. 3,346,187, 10–10–67, Cl. 239—33.
Mueller, Martin, to Lily-Tulip Cup Corp. Nesting container. 3,358,879, 12–19–67, Cl. 220—97.
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Mueller, Philip M., to Lear Siegler, Inc. Superconducting switch having high current capability and high blocking resistance. 3,324,436, 6–6–67, Cl. 338—32.
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Müller, Hans, and R. Wiechert, to Schering A. G. 1α-methyl-Δ^2-androstenes. 3,324,152, 6–6–67, Cl. 260—397.5.
Muller, Hans, F. Neumann, and R. Wiechert, to Schering, A.G. Method of preparing 1β - methyl - 2,3α - methylene-steroids. 3,354,151, 11–21–67, Cl. 260—239.55.
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Muller, Hermann, to Agfa Aktiengesellschaft. Portable projection screen. Re. 26,156, 2–14–67, Cl. 160—24.
Muller Hermann, to Metallgesellschaft Aktiengesellschaft. Gas hood. 3,313,229, 4–11–67, Cl. 98—115.
Muller, Hermann, to Agfa Aktiengesellschaft. Collapsible portable projection screen. 3,324,928, 6–13–67, Cl. 160—24.
Muller, Hermann G., to Cilander Aktiengesellschaft. Apparatus for the continuous wet treatment of textiles and the like. 3,315,501, 4–25–67, Cl. 68—181.
Muller, Horst G.: *See*—
Moneymaker, Elton G., and Muller. 3,334,381.
Muller, Hugo, to J. Bertram K.G. Safety fence for roads. 3,353,795, 11–21–67, Cl. 256—13.1.
Muller, Hugo, and H. Bertram, to J. Bertram, K.G. Safety fence for roads. 3,307,833, 3–7–67, Cl. 256—13.1.
Muller, Jacques, to Rellumit, Inter. Water removal equipment for fuels. 3,298,522, 1–17–67, Cl. 210—90.
Muller, Jacques. Automotive vehicle. 3,322,224, 5–30–67, Cl. 180—54.
Muller, Jacques, to Rellumit Inter, S.a.r.L. Automatic oil separator. 3,339,736, 9–5–67, Cl. 210—104.
Muller, Janice A.: *See*—
Muller, Albert F., and J. A. 3,298,043.
Muller, Johann, to H. and F. W. Deckel. Machine tool with two alternately usable spindles. 3,295,415, 1–3–67, Cl. 90—11.
Muller, Johann, to Friedrich Deckel Prazisions Mechanik und Maschinenbau. Milling machine. 3,338,135, 8–29–67, Cl. 90—11.
Muller, Johannes, to Kolene Corp. Molten salt baths for nitriding steel and cast iron. 3,317,357, 5–2–67, Cl. 148—15.5.
Muller, John T., and C. A. Soderberg, to Leslie Co. Yielding safety connector and antivibration lock for blending valve. 3.347,268, 10–17–67, Cl. 137—625.17.
Muller, John T., E. D. Hodgson, Jr., and B. H. Bremer, to Leslie Co. Hot water supply system. 3,353,530, 11–21–67, Cl. 126—362.
Muller, Josef: *See*—
Muskulus, Willi, and Muller. 3,344,760.
Müller, Josef, and H. Riegler, to Trilux-Lenze K.G. Ceiling luminaire. 3,312,816, 4–4–67, Cl. 240—78.
Muller, Josef, and L. Kraus, to Daimler-Benz Aktiengesellschaft. Bottom frame for automobiles. 3,321,235, 5–23–67, Cl. 296—28.
Müller, Jürgen: *See*—
Clasen, Hermann, Müller, and Joppen. 3,353,930.
Muller, Karl: *See*—
Siempelkamp, Eugen, and Muller. 3,353,216.
Müller, Karl-Heinz: *See*—
Scheurlen, Hans, and Müller. 3,331,790.

Muller, Karl-Heinz, R. Steimann, and W. Weigert, to Robert Bosch, G.m.b.H. Hydraulic apparatus. 3,313,238 4–11–67, Cl. 103—126.
Muller, Karl-Walter: *See*—
Schellhammer, Carl-Wolfgang, Muller, and Raue. 3,352,-885.
Müller, Lothar. Storage rack. 3,327,868, 6–27–67, Cl. 211—1.5.
Muller, Lothar. Filter press. 3,333,702, 8–1–67, Cl. 210—230.
Muller, Lothar. Filter press. 3,347,384, 10–17–67, Cl. 210—225.
Muller, Louis P., J. W. Benz, Jr., and P. R. Schaeffer, to The Polymer Corp. Casting process. 3,333,034, 7–25–67, Cl. 264—39.
Muller, Marcel: *See*—
Bollag, Werner, Gutmann, Hegedus, Kaiser, Langemann, Muller, and Zeller. 3,330,837.
Muller, Martin, and G. Walter, to International Standard Electric Corp. Frequency synchronizing circuit. 3,349,337, 10–24–67, Cl. 331—17.
Muller, N. William, to Great Lakes Carbon Corp. Production of electrode grade petroleum coke. 3,326,796, 6–20–67, Cl. 208—50.
Muller, Nicolaus, F. Schumann, and B. Bystron, to Schubert & Salver Maschinenfabrik Aktiengesellschaft. Fabric-cutting machine and method. 3,304,820, 2–21–67, Cl. 83—25.
Muller, Paul, to W. C. Heraeus, Gesellschaft mit beschrankter Haftung, Hanau am Main. Vapor-coating apparatus. 3,303,320, 2–7–67, Cl. 219—121.
Muller, Paul, to Kordt & Co. Linear measurement device. 3,321,839, 5–30–67, Cl. 33—178.
Muller, Peter: *See*—
Jahoda, Edward, and Muller. 3,330,662.
Muller, Pierre: *See*—
Chezaud, Jean C., Muller, and Saint-Genis. 3,339,237.
Joullie, Maurice, Laurre, Maillard, and Muller. 3,326,762.
Muller, Richard S., and J. Conragan, to The Regents of the University of California. Piezoelectric-semiconductor, electromechanical transducer. 3,351,786, 11–7–67, Cl. 310—8.
Müller, Robert: *See*—
Paasche, Fritz, Zipf, and Muller. 3,351,283.
Muller, Robert M., to American Optical Co. Four component microscope objective. 3,355,234, 11–28–67, Cl. 350—176.
Müller, Rudolf: *See*—
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Raspe, Gerhard, Kieslich, Olivar, Muller, and Wagner. 3,354,186.
Muller, Rudolf, to Siemens & Halske Aktiengesellschaft. High power travelling wave tube having a negative circularly polarized electric field component. 3,315,118, 4–18–67, Cl. 315—3.6.
Muller, Theo: *See*—
Philippsen, Hans, and Muller. 3,296,747.
Muller, Theo, to Goetzewerke Friedrich Goetze Aktiengesellschaft. Device for removing self-resilient rings from machine tools. 3,302,802, 2–7–67, Cl. 214—1.
Muller, Walter: *See*—
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Müller, Walter, and F. Weinrotter, to Osterreichische Stickstoffwerke Aktiengesellschaft. Process for the production of nitrate esters of α-hydroxy-carboxylic acids from α-olefins. 3,324,168, 6–6–67, Cl. 260—467.
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Muller, Wilhelm: *See*—
Heil, Friedrich, and Muller. 3,326,124.
Muller, Wilhelm, to Richards Bros. & Sons Ltd. Method for manufacturing scissors and the like. 3,350,962, 11–7–67, Cl. 76—104.
Muller, Wolf, E. W. Kulesh, and R. S. Lanier, deceased (by D. L. Lanier, administratrix); said Muller and said Kulesh assors. to United States of America, Navy. Winch mechanism with dual drive. 3,309,064, 3–14–67, Cl. 254—168.
Muller, Wolfgang: *See*—
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Müllers, Karl A. Method of preventing the swinging of raising rollers in napping devices. 3,328,862, 7–4–67, Cl. 26—33.
Müllers, Karl A., and J. Mehl, to Franz Muller, Maschinenfabrik, Firma. Thread guide device. 3,329,359, 7–4–67, Cl. 242—18.
Müller-Schiedmayer, Gunther, H. Harnisch, and J. Cremer, to Knapsack-Griesheim Aktiengesellschaft. Process for the manufactuer of mixtures of acid esters of phosphoric acids. 3,333,029, 7–25–67, Cl. 260—980.
Muller vom Hagen, Heinz-Gunther, to Ilse-Werke, KG. Parallel motion mechanism. 3,311,337, 3–28–67, Cl. 248—188.5.
Mullery, Alvin P., and R. F. Schauer, to International Business Machines Corp. Symbolic addressing. 3,323,108, 5–30–67, Cl. 340—172.5.
Mullhaupt, Joseph T., to Union Carbide Corp. Oxygen permeable membranes. 3,359,705, 12–26–67, Cl. 55—16.
Mullie, Jan: *See*—
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Mulligan, Edward J. Method and apparatus for testing waterproof watches. 3,355,932, 12–5–67, Cl. 73—49.3.
Mulligan, Robert J., to Anc, Inc. Sample conveyor. 3,351,177, 11–7–67, Cl. 198—40.
Mulligan, Robert J., and F. J. Schlosser, Jr., to International Instruments, Inc. Means for reproducing a pattern as a D.C. output. 3,297,940, 1–10–67, Cl. 323—51.
Mulligan, Robert J., and J. J. Wendt, to Archer Daniels Midland Co. Liquidless foundry molding process. 3,305,-900, 2–28–67, Cl. 22—192.
Mulligan, Robert J., and G. T. Higgins, to Richardson-Merrell Inc. Collapsible tubing. 3,343,567, 9–26–67, Cl. 138—119.
Mullikin, Arthur J. Fishhook guard and leader aligning device. 3,295,245, 1–3–67, Cl. 43—57.5.
Mullin, Albert J., to National Lead Co. Epoxide-treated titanium dioxide pigment and use thereof in polyvinyl resins. 3,326,827, 6–20–67, Cl. 260—23.
Mullin, Clayton D., to Textron, Inc. Hearing aid apparatus. 3,327,807, 6–27–67, Cl. 181—23.
Mullin, Henry A. Front end ripper attachment for bulldozer. 3,325,927, 6–20–67, Cl. 37—145.
Mullin, James A. Drawer slide construction. 3,328,106, 6–27–67, Cl. 312—341.
Mullin, James L., to Burroughs Corp. Slide valve with multiple ports. 3,334,896, 8–8–67, Cl. 271—74.
Mullin, John T., and K. Clunis, to Minnesota Mining and Mfg. Co. Two track transducing system with means to extend dynamic range. 3,346,703, 10–10–67, Cl. 179—100.2.
Mullin, Keith B.: *See*—
White, George T., and Mullin. 3,352,908.
Mullings, William M.: *See*—
Woods, John P., Prickett, Mullings, and Lyons. 3,303,-513.
Mullinix, Charles D. Deluxe bacon package. 3,360,119, 12–26–67, Cl. 206—45.31.
Mullins, James H. Combination storm window and air conditioner cover. 3,328,929, 7–4–67, Cl. 52—202.
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Mullins, John A., to Rolls-Royce Ltd. Aircraft. 3,347,497, 10–17–67, Cl. 244—54.
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Mullins, John W. Refrigerator service valve. 3,336,936, 8–22–67, Cl. 137—234.5.
Mullins Mfg. Corp.: *See*—
Ullman, Myron E., Jr. 3,334,750.
Ullman, Myron E., Jr., and Harroff. 3,319,651.
Mullins, William H., and S. Thaler, to Hughes Aircraft Co. Mainlobe doppler clutter return compensator for moving platform radar. 3,346,859, 10–10–67, Cl. 343—7.7.
Mullis, Clyde M., and L. P. Tosato, to Westinghouse Electric Corp. Braking devices. 3,305,064, 2–21–67, Cl. 198—16.
Mullis, Clyde M., L. Tosato, and R. A. Bogyo, to Westinghouse Electric Corp. Wheeled transportation assemblies. 3,318,-432, 5–9–67, Cl. 198—16.
Mullis, Clyde M., and L. P. Tosato, to Westinghouse Electric Corp. Passenger conveyors employing handrails. 3,321,-060, 5–23–67, Cl. 198—16.
Mullner, Friedrich, to Brown, Boveri & Cie, Aktiengesellschaft. Turbo-generator with direct cooling of the rotor winding. 3,358,164, 12–12–67, Cl. 310—61.
Mullner, Stefan, and W. Albert, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing vinyl chloride copolymers. 3,355,517, 11–28–67, Cl. 260—878.
Mulloy, Miles F. Article holding means. 3,310,265, 3–21–67, Cl. 248—99.
Müllritter, Herbert. Dog-leash assembly. 3,318,288, 5–9–67, Cl. 119—109.
Mulot, Marcel. Drilling device. 3,342,087, 9–19–67, Cl. 77—32.3.
Mulquin, James J., to United States of America, Navy. Catapult delayed release element. 3,304,031, 2–14–67, Cl. 244—63.
Mulreed, James E., and A. Orlens, to Pitney-Bowes, Inc. Plate feed means in address printers. 3,299,805, 1–24–67, Cl. 101—65.
Mulroney, John P.: *See*—
Nicodemus, David O., and Mulroney. 3,356,569.
Multer, Howard C., to The Stanley Works. Portable power tool. 3,336,703, 8–22–67, Cl. 51—170.
Multer, Robert K. High energy propulsion method using aluminum and water. 3,357,186, 12–12–67, Cl. 60—219.
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Multi-Contact A.-G.: *See*—
Neidecker, Rudolf. 3,296,575.
Multifastener Corp.: *See*—
Double, Plummer E. 3,299,500.
Double, Plummer E. 3,314,138.
Double, Plummer E., and Abbrecht. 3,315,345.
Keough, William R. 3,312,454.
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Multifol Patentverwertungs A.G.: *See*—
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Multipane, Inc., U.S.A.: *See*—
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Multiprint, Inc.: *See*—
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Multiratio Drives Ltd.: *See*—
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Schutte, William O. P. 3,335,583.

Multi-Zoner, Inc.: *See*—
Capps, Randolph P. 3,297,250.
Mulvey, Louis B.: *See*—
Eckardt, Garnet H., and Mulvey. 3,358,387.
Mumaw, Everett D. Instrument for loosening teeth with high-frequency vibrations. 3,332,149, 7–25–67, Cl. 32—14.
Mumaw, Everett D. Method of loosening teeth with high-frequency vibrations. 3,332,150, 7–25–67, Cl. 32—14.
Mumford, Eustace H.: *See*—
Colchagoff, Robert D., and Mumford. 3,338,699.
De Shetler, Leo C., and Mumford. 3,314,775.
Lippmann, Raymond J., and Mumford. 3,334,985.
Mumford, Eustace H., to Owens-Illinois, Inc. Timing system for I.S. type glassware forming machine. 3,305,341, 2–21–67, Cl. 65—158.
Mumford, Eustace H., and A. W. Rieck, to Owens-Illinois, Inc. Takeout apparatus for glass forming machines. 3,303,013, 2–7–67, Cl. 65—260.
Mumma, Harold J.: *See*—
Rose, Boyd W., and Mumma. 3,295,658.
Rose, Boyd W., and Mumma. 3,296,641.
Rose, Boyd W., and Mumma. 3,299,528.
Mumma, Harold J., to FMC Corp. Article handling device. 3,330,589, 7–11–67, Cl. 294—64.
Mumma, Harold J., to FMC Corp. Machine weighing and candling eggs. 3,351,145, 11–7–67, Cl. 177—12.
Mumma, Harold J., L. A. Clauson, and P. J. Richnak, to FMC Corp. Method of and apparatus for handling cartons. 3,335,541, 8–15–67, Cl. 53—41.
Mummey, Dale B.: *See*—
Brookman, Ronald J., Friend, Mummey, and Smith. 3,341,-801.
Munach, Arnold S.: *See*—
McFann, Charles E., and Munach. 3,316,841.
Munach, Arnold S., to United States of America, Navy. Retardation-sensing safing device for bomb fuze. 3,356,027, 12–5–67, Cl. 102—76.
Munakata, Chusuke: *See*—
Hirai, Tadamasa, Ueda, Munakata, and Watanabe. 3,355,568.
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Nakanishi, Michio, and Munakata. 3,329,683.
Munari, Giovanni B. Fastening for ski shoes having steps adjusting means for a resilient link means. 3,354,514, 11–28–67, Cl. 24—70.
Munari, Giovanni B. Rubber outsole for shoes. 3,354,562, 11–28–67, Cl. 36—2.5.
Munch, Walter, Jr., to D. H. Baldwin Co. Organ with reed resonators. 3,327,046, 6–20–67, Cl. 84—1.23.
Munch, Walter, Jr., and R. C. Scherer, to D. H. Baldwin Co. Wave shaping system for electrical musical instruments. 3,321,567, 5–23–67, Cl. 84—1.13.
Munch, Walter, Jr., and R. C. Scherer, to D. H. Baldwin Co. Keying systems for electrical musical instruments for producing steady-state or percussive type tones either separately or concurrently. 3,333,041, 7–25–67, Cl. 84—1.11
Munch, Walter, Jr., and A. W. Scheide, to D. H. Baldwin Co. Sampling tone generator system for electronic organs. 3,355,539, 11–28–67, Cl. 84—1.23.
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Munck, Sverre. Arrangement for the supply of electric power to a rail travelling carriage. 3,315,042, 4–18–67, Cl. 191—12.
Mund, Heinrich, to Bahr Metallwerk K.G., Firma. Device for coating chips with glue. 3,343,814, 9–26–67, Cl. 259—6.
Munday, Herbert L., Jr. Necktie marking device. 3,305,933, 2–28–67, Cl. 33—189.
Munday, James F.: *See*—
Ryan, John W., Sioles, and Munday. 3,342,171.
Munday, John S.: *See*—
Malchick, Sherwin P., James, and Munday. 3,325,347.
Rogers, Dilworth T., and Munday. 3,330,677.
Munday, John W., and J. E. Tomlinson, to British Aluminium Co., Ltd. Aluminium base clad with a magnesium silicon-aluminium alloy. 3,342,565, 9–19–67, Cl. 29—183.5.
Mundell, James M.: *See*—
Anderson, Oscar B., and Mundell. 3,358,986.
Munder, Johannes: *See*—
Schlesinger, Heinz, and Munder. 3,307,949.
Munder, Johannes, and O. Sus, to Azoplate Corp. Photoconductor coatings for electrophotography. 3,316,087, 4–25–67, Cl. 96—1.
Munder, Johannes, and H. Ziegler, to Keuffel & Esser Co. Method for preparing heat-developable two-component diazotype reproduction sheet. 3,322,556, 5–30–67, Cl. 117—34.
Munder, Johannes, and H. Ziegler, to Keuffel & Esser Co. Heat-developable two-component diazotype reproduction material. 3,360,371, 12–26–67, Cl. 96—91.
Munderich, Paul, to Wibau Westdeutsche Industrie-und Strassenbau-Maschinen-Gesellschaft M.b.h. Measuring and dosing apparatus. 3,322,306, 5–30–67, Cl. 222—67.
Mundet Cork Corp.: *See*—
Jensen, Ole S. 3,353,666.
Mundinger, K. P. G.m.b.H.: *See*—
Farenkopf, Rudi. 3,331,020.
Mundon, Jerry L.: *See*—
Perry, Elijah R., Mundon, and Frey. 3,350,520.
Mundorff, Rewe P., and De L. A. Berry. Self-affixing fishing line float. 3,353,294, 11–21–67, Cl. 43—44.9.
Mundschenk, Glenn R., to General Electric Co. Dial pointer assembly. 3,298,350, 1–17–67, Cl. 116—124.1.
Mundschenk, Glenn R., and W. B. Scott, Jr., to General Electric Co. Terminal mounting device. 3,355,702, 11–28–67, Cl. 339—126.
Mundt, Peter: *See*—
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Mune, Charles: *See*—
Camp, William W., and Mune. 3,299,231.
Muneyuki, Ryonosuke: *See*—
Tanida, Hiroshi, and Muneyuki. 3,336,331.
Munford, Marvin S., to Ball Bros. Co. Inc. Curved metal plates and method and apparatus for making same. 3,297,-498, 1–10–67, Cl. 148—11.5.
Mungard, Hans, to Danfoss AS. Control apparatus for burner systems. 3,327,193, 6–20–67, Cl. 318—221.
Mungard, Hans, to Danfoss A/S. Gas discharge tube having a paschen value less than the paschen value of gas and air. 3,333,102, 7–25–67, Cl. 250—83.6.
Munger, Donald W., to Automation Industries, Inc. Ultrasonic inspection. 3,323,353, 6–6–67, Cl. 73—67.8.
Munger, Fay E.: *See*—
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Munger, Fay E., and J. L. McCloskey, to Jeffrey Galion Mfg. Co. Pan conveyor. 3,297,146, 1–10–67, Cl. 198—204.
Munier, Ronald A., and F. J. McGowan, to Worthington Corp. Locking assembly having means to prevent axial and torsional movement. 3,326,580, 6–20–67, Cl. 285—27.
Munier de Montrichard, Charles J. M. M., and J. G. Locatelli, to Societe Industrielle des Nouvelles Techniques Radioelectriques et de l'Electronique Francaise. Circuit arrangement for controlling very rapid deflections of an electron beam in a vacuum tube. 3,337,767, 8–22–67, Cl. 315—26.
Munk, Edmund: *See*—
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Munk, Edmund, to Furnier- und Aperrholzwerk, J. F. Werz, Jr., KG. Compound door. 3,299,595, 1–24–67, Cl. 52—309.
Munk, Erwin: *See*—
Cypra, Arne, Haentzschel, Munk, and Winter. 3,300,-695.
Munn, George E., to E. I. du Pont de Nemours and Co. Cellular polylactam article containing fibers. 3,332,895, 7–25–67, Cl. 260—2.5.
Munn, John E., to Jas. H. Matthews & Co. Rotary drum printer and inking apparatus therefor. 3,308,754, 3–14–67, Cl. 101—348.
Munn, John E. Mine roof support and method of providing same. 3,349,567, 10–31–67, Cl. 61—45.
Munns, George W., Jr., to Mobil Oil Corp. Processes for selective demethylation and for preparation of catalysts for use therein. 3,314,895, 4–18–67, Cl. 252—455.
Munro, Geoffrey H. J., to AMP Inc. Connector housing. 3,341,-745, 9–12–67, Cl. 317—116.
Munro, Howard E., to Eastman Kodak Co. Stabilized photographic prehardener compositions. 3,345,173, 10–3–67, Cl. 96—50.
Munro, William, to United Kingdom Atomic Energy Authority. Method of fabricating mixed ceramic compacts. 3,344,208, 9–26–67, Cl. 264—.5.
Munroe, Richard W.: *See*—
Burnham, Virgil A., and Munroe. 3,304,583.
Munroe, Robert A., to International Business Machines Corp. Surface treatment for magnesium-lithium alloys. 3,345,276, 10–3–67, Cl. 204—32.
Munroe, Ronald G., to Eagle Electric Mfg. Co., Inc. Electrical contact with screw terminal and pressure-lock terminal. 3,325,768, 6–13–67, Cl. 339—95.
Munsch, George F.: *See*—
Staph, Horace E., Gunkel, and Munsch. 3,324,708.
Munse, Robert A., to The Bishop and Babcock Corp. Plastic molding fastener. 3,304,686, 2–21–67, Cl. 52—718.
Munse, Robert A., to The Bishop and Babcock Corp. Molding clip. 3,357,064, 12–12–67, Cl. 24—73.
Munse, Robert A., to The Bishop and Babcock Corp. C-type fastener. 3,358,729, 12–19–67, Cl. 151—41.75.
Munsey, George B., to Munsey Products Inc. Cooking appliance. 3,307,475, 3–7–67, Cl. 99—340.
Munsey Products Inc.: *See*—
Munsey, George B. 3,307,475.
Munsingwear, Inc.: *See*—
Hall, Alice N. 3,304,942.
Hall, Alice N. 3,349,409.
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Munson, Verne E., to Bell Telephone Laboratories, Inc. Automatic line testing apparatus. 3,360,617, 12–26–67, Cl. 179—175.3.
Munson, Whitney K. Handgrip unit for rubber stamps. 3,303,780, 2–14–67, Cl. 101—406.
Munson, Whitney K. Handgrip unit for rubber stamps. 3,303,781, 2–14–67, Cl. 101—406.
Munson, Whitney K. Handgrips for rubber stamps. 3,357,351, 12–12–67, Cl. 101—406.
Munson, William A., to Westinghouse Electric Corp. Feedback control for a material handling system providing automatic overshoot correction. 3,303,967, 2–14–67, Cl. 222—14.
Munster Simms Engineering Ltd.: *See*—
Brian, William J. 3,358,610.

Munters, Carl G. Method in the manufacture of an exchanger packing and exchanger packing manufactured according to said method. 3,307,617, 3–7–67, Cl. 165—10.
Muntz, Alan, & Co., Ltd. : *See*
Beale, Evelyn S. L. 3,320,382.
Muntz Stereo-Pak, Inc. : *See*—
Wilson, Rex C. 3,337,104.
Munzer, Anton, and T. Rueger, to Georg Fischer Aktiengesellschaft. Device for molding synthetic fittings. 3,343,801, 9–26–67, Cl. 249—145.
Munzner, Richard : *See*
Gemeinhardt, Hermann, and Munzner. 3,345,809.
Muotka, Rgener L. : *See*—
Hendriksson, Sune T., Malmgren, Muotka, and Widegren. 3,325,022.
Murai, Wasaburo, to Terasaki Denki Sangyo Kabushiki, High speed circuit interrupter using magnetic blowoff and means for decreasing the inerial effects during interruption. 3,343,108, 9–19–67, Cl. 335—16.
Murakami, Hiromi, and Y. Morizumi, to Nippon Electric Co., Ltd. Dielectric shield for ultrahigh frequency thermionic tubes. 3,359,446, 12–19–67, Cl. 313—242.
Murakami, Hisato : *See*
Inaba, Seiuemon, Shimizu, Yoshitake, and Murakami. 3,343,137.
Murakami, Hisato, to Fuji Tsushinki Seizo Kabushiki Kaisha. Numerical control pulse distribution system. 3,325,630, 6–13–67, Cl. 235—61.6.
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Murakami, Masuo, K. Takahashi, Y. Hirata, and H. Iwamoto, Yamanouchi Seiyaku K.K. Thiamine derivatives. 3,324,124, 6–6–67, Cl. 260—256.5.
Murakami, Zenji, to Osaka Kiko Kabushiki Kaisha. Tow filament separating apparatus. 3,317,965, 5–9–67, Cl. 19—65.
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Hagihara, Masaaki, and Muranaka. 3,329,873.
Murata, Atsuo, R. Kokubo, M. Nagakura, T. Ohba, and M. Arata, to Nissan Kagaku Kogyo Kabushiki Kaisha. Method of separating melamine from waste gas. 3,308,123, 3–7–67, Cl. 260—249.7.
Murata Mfg. Co. Ltd. : *See*—
Suburi, Osamu. 3,299,332.
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Okishima, Yoshiro, and Murata. 3,308,717.
Murata, Yorihiro, and L. R. Sucharski, to The Carborundum Co. Ceramic compositions and process of making same. 3,305,373, 2–21–67, Cl. 106—55.
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Murayama, Hiroshi : *See*—
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Murayama, Shigeru. Process for purifying polyethylene and polypropylene. 3,326,805, 6–20–67, Cl. 260—93.7.
Murbach, Earl W., to United States of America, Atomic Energy Commission. Production of stoichiometric uranium monocarbide from a uranium fluoride. 3,345,143, 10–3–67, Cl. 23—349.
Murch, Charles J., Jr., to Sanders Associates, Inc. Method of making multilayer circuit boards. 3,352,730, 11–14–67, Cl. 156—3.
Murchison, John R., J. C. Darnall, and C. M. Brassell, to Development and Control Ltd SA. Conveyor system with jam release. 3,326,353, 6–20–67, Cl. 198—165.
Murcott, Charles E. Support belt. 3,307,872, 3–7–67, Cl. 297—385.
Murcott, Charles E. Foot and leg rest for wheelchairs. 3,325,215, 6–13–67, Cl. 297—433.
Murcott, Charles E. Medication dispensing tray and support therefor. 3,351,210, 11–7–67, Cl. 211—74.
Murdoch, Colin A. Projectile hypodermic syringes. 3,358,685, 12–19–67, Cl. 128—215.
Murdoch, Colin A. Projectile hypodermic syringes. 3,359,979, 12–26–67, Cl. 128—218.
Murdoch, Colin D., to S. May. Automobile safety device. 3,297,361, 1–10–67, Cl. 297—379.
Murdoch, Colin D., to J. E. and M. L. Rhodes. Swingable support for a mirror. 3,360.228, 12–26–67, Cl. 248—480.
Murdoch, John P. Air conditioning system with heating means. 3,320,762, 5–23–67, Cl. 62—183.
Murdoch, John P. Apparatus for handling of animal livestock. 3,332,105, 7–25–67, Cl. 17—24.
Murdoch, Peter, Inc. : *See*—
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Murdoch, Peter N. G., to Peter Murdoch Inc. Seats and their construction. 3,295,890, 1–3–67, Cl. 297—445.
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Scott, Richard L. 3,347,023.
Murdock, Henry T., and S. M. Ringel, to Allis-Chalmers Mfg. Co. Method of winding dynamoelectric cores by using two winding heads. 3,345,740, 10–10–67, Cl. 29—596.
Murdock, Henry T., and S. M. Ringel, to Allis-Chalmers Mfg. Co. Phase insulation for polyphase dynamoelectric machines. 3,349,265, 10–24–67, Cl. 310—194.
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Murdock, Lawrence C., to The Bissett-Berman Corp. Clamp on system for measuring the characteristics of sea water. 3,314,009, 4–11–67, Cl. 325—51.
Murdock, Robert H., to American Metal Climax, Inc. Rail system. 3,323,781, 6–6–67, Cl. 256—67.
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Murdock, Robert W., to Gregory Industries, Inc. Easy open container. 3,339,790, 9–5–67, Cl. 220—54.
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Muren, Henry. Flower basket. 3,356,326, 12–5–67, Cl. 248—145.6.
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Murphree, Francis J., and J. H. Hammond, to United States of America, Navy. FM sonar exciter. 3,353,148, 11–14–67, Cl. 340—3.
Murphy, Alfred M., C. M. Filak, and T. P. Long, to Reynolds Metals Co. Method and apparatus for extruding tubular members from solid billets or the like. 3,296,848, 1–10–67, Cl. 72—265.
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Cooper, Albert S., Jr., Murphy, and Sloan. 3,356,446.
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Murphy, Bynum E., to Anderson-Dunham Inc. Tire driven rotary cutter. 3,306,016, 2–28–67, Cl. 56—25.4.
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Murphy, David J., Jr., to American Air Filter Co., Inc. Particulate fluid treating filter assembly. 3,350,861, 11–7–67, Cl. 55—484.
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Murphy, Demery A. Piston structure. 3,326,092, 6–20–67, Cl. 92—201.
Murphy, Donald P., and G. L. Tupper, to Hooker Chemical Corp. Paint stripping composition and method. 3,308,066, 3–7–67, Cl. 252—158.
Murphy, Earl R., and D. R. Wehner, to Motorola, Inc. Quarter wave low profile antenna tuned to half wave resonance by stub; also including a transistor driving stage. 3,343,089, 9–19–67, Cl. 325—105.

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Murphy, Edward A., and W. Posner, to General Telephone and Electronics Laboratories, Inc. Shunt-type coaxial to waveguide harmonic generator. 3,353,087, 11–14–67, Cl. 321—69.
Murphy Enterprises, Inc.: *See*—
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Murphy, Eugene S., to Borg-Warner Corp. Multiple disc spot clutch with booster. 3,295,647, 1–3–67, Cl. 192—85.
Murphy, Eugene F., to Sonotone Corp. Battery dispenser-charger devices. 3,297,932, 1–10–67, Cl. 320—2.
Murphy, Eugene S., to Borg-Warner Corp. Torque converter employing ring valve. 3,312,061, 4–4–67, Cl. 60—54.
Murphy, Eugene S., to Borg-Warner Corp. Hydrodynamic transmission system. 3,323,306, 6–6–67, Cl. 60—54.
Murphy, Eugene S., to Borg-Warner Corp. Hydrokinetic and mechanical gear drive. 3,326,065, 6–20–67, Cl. 74—732.
Murphy, Eugene S., to Borg-Warner Corp. Hydrokinetic and mechanical gear drive. 3,326,066, 6–20–67, Cl. 74—732.
Murphy, Francis J. Vibra-watch and jewelry cleaner. 3,352,-311, 11–14–67, Cl. 134—86.
Murphy, Francis J., and A. J. Tokola, to Kaiser Steel Corp. Apparatus for driving piles. 3,328,969, 7–4–67, Cl. 61—53.5.
Murphy, Frank H., to General Electric Co. Electric circuit breaker operating mechanism. 3,309,479, 3–14–67, Cl. 200—116.
Murphy, Frank M., and W. L. Sturm. Vibratory massage apparatus. 3,322,116, 5–30–67, Cl. 128—33.
Murphy, Frank W., and F. W. Murphy, Jr. Combination flow responsive switch and indicating gage. 3,355,560, 11–28–67, Cl. 200—81.9.
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Murphy, Frank W., Jr., and F. W. Jackson, to Frank W. Murphy Mfg., Inc. Resettable safety switch gauge. 3,303,302, 2–7–67, Cl. 200—56.
Murphy, Frank W., Mfg., Inc.: *See*—
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Murphy, Frederick J. Edge trimming device for paint roller. 3,346,899, 10–17–67, Cl. 15—118.
Murphy, George P., Jr., to United States of America, Army. Corrosion inhibiting resin-bonded solid film lubricant. 3,314,885, 4–18–67, Cl. 252—25.
Murphy, George T. (by Irene M. Murphy, executrix). Car door barricade. 3,351,122, 11–7–67, Cl. 160—368.
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Murphy, Herman H. Electric circuit controller. 3,327,260, 6–20–67, Cl. 335—97.
Murphy, Howard E., and J. L. Kabell, to Fairchild Camera and Instrument Corp. Light-to-frequency converter circuit. 3,334,309, 8–1–67, Cl. 331—66.
Murphy, Hugh W., to FMC Corp. Container carrier. 3,310,-334, 3–21–67, Cl. 294—87.28.
Murphy, Ira A., to The Dow Chemical Co. Latex comprising the polymerization product of amorphous polyisobutylene, a vinyl aromatic compound and an alkyl acrylate. 3,316,-199, 4–25–67, Cl. 260—29.6.
Murphy, Irene M.: *See*—
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Murphy, James, to Murphy Enterprises, Inc. Rim and wheel assembly including an improved wedge clamping device therefor. 3,314,727, 4–18–67, Cl. 301—12.
Murphy, James. Wave machine and means for raising water. 3,335,667, 8–15–67, Cl. 103—68.
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Donovan, Daniel R., and Murphy. 3,300,195.
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Murphy, James F., to Olin Mathieson Chemical Corp. Primary electric cell having a sheet of foil metallurgically bonded to the anode. 3,317,350, 5–2–67, Cl. 136—100.
Murphy, James F., and A. A. Dolomont, to Olin Mathieson Chemical Corp. Process for treating aluminum weld wire. 3,348,979, 10–24–67, Cl. 148—6.2.
Murphy, James J., to Sperry Rand Corp. Tape feed system. 3,342,430, 9–19–67, Cl. 242—55.12.
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Murphy, John B., to Polaroid Corp. Photographic apparatus. 3,350,991, 11–7–67, Cl. 95—13.
Murphy, John B., to Polaroid Corp. Photographic apparatus. 3,357,330, 12–12–67, Cl. 95—13.
Murphy, John B. Axle bearing tool for use with a press. 3,359,618, 12–26–67, Cl. 29—200.
Murphy, John P. Cellulose isocyanate-aliphatic polyamine ion-exchange composition and method for making same. 3,311,608, 3–28–67, Cl. 260—212.
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Murphy, Joseph E., to General Motors Corp. Transient overvoltage and overload protection circuit. 3,303,386, 2–7–67, Cl. 317—31.
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Murphy, Perry J., Jr., and J. T. Shultz; said Shultz, assor. to United States Steel Corp., and said Murphy, assor. to The Van Dorn Iron Works Co. Method of shaping metal. 3,320,102, 5–16–67, Cl. 148—131.
Murphy, Ralph H., to United States of America, Navy. Apparatus for measuring the velocity and distance between bodies during the separation thereof. 3,302,108, 1–31–67, Cl. 324—70.
Murphy, Randal T.: *See*—
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Murphy, Randal T., to Micromatic Hone Corp. Expandable boring tool. 3,314,313, 4–18–67, Cl. 77—58.
Murphy, Raymond E. Pilot light burner. 3,297,074, 1–10–67, Cl. 158—115.
Murphy, Raymond E. Poultry brooder. 3,349,752, 10–31–67, Cl. 119—32.
Murphy, Raymond S., to Intex Oil Co. File fastener. 3,307,-234, 3–7–67, Cl. 24—153.
Murphy, Richard G. Salt water conversion system. 3,318,-784, 5–9–67, Cl. 202—160.
Murphy, Richard M. Process for treating petroleum coke. 3,322,550, 5–30–67, Cl. 106—56.
Murphy, Robert A., to General Electric Co. Method for making organosilicon polymers. 3,296,199, 1–3–67, Cl. 260—46.5.
Murphy, Robert A., to General Electric Co. Organopolysiloxane compositions and a method for making them. 3,341,486, 9–12–67, Cl. 260—18.
Murphy, Robert A., ½ to C. F. Wirth. Heating duct attachment. 3,359,883, 12–26–67, Cl. 98—40.
Murphy, Robert H., to The Wiremold Co. Raceway. 3,347,275, 10–17–67, Cl. 138—116.
Murphy, Robert J., K. K. Spellnes, W. C. Miller, E. J. Bananno, E. J. Glenner, and F. B. Sikorski, to Automatic Electric Laboratories, Inc. Communication switching system. 3,328,534, 6–27–67, Cl. 179—18.
Murphy, Robert T., to United States of America, Air Force. Sample and hold circuit. 3,336,518, 8–15–67, Cl. 320—1.
Murphy, Robert W., and C. M. Phipps, to The Boye Needle Co. Storage case. 3,335,847, 8–15–67, Cl. 206—16.
Murphy, Terrance J., to Eaton Mfg. Co. Manifold heat control valve. 3,300,137, 1–24–67, Cl. 236—101.
Murphy, Walter R., to Radio Corp. of America. Substantially linear output gage device. 3,344,527, 10–3–67, Cl. 33—172.
Murphy, Walter T., to The B. F. Goodrich Co. Production of microporous coating on substrate. 3,296,016, 1–3–67, Cl. 117—105.5.
Murphy, Willard J. Fluid material dispensing apparatus having a container piercing means and a material measuring receptacle. 3,314,570, 4–18–67, Cl. 222—88.
Murphy, Willard J. Dispensing container. 3,330,448, 7–11–67, Cl. 222—424.5.
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Murphy, William C. Container apparatus. 3,316,047, 4–25–67, Cl. 312—275.
Murphy, William D., to Sylvania Electric Products Inc. Synchronous demodulator. 3,360,603, 12–26–67, Cl. 178—5.4.
Murphy, William J., to Xerox Corp. Photoconductive member and processes of preparing and using same. 3,352,669, 11–14–67, Cl. 96—1.5.
Murray, Albert E., to Cornell Aeronautical Laboratory, Inc. Apparatus for analysing an audio signal. 3,327,305, 6–20–67, Cl. 343—5.
Murray, Charles W., to Heppenstall Co. Rotary crop shear knives and the like. 3,322,012, 5–30–67, Cl. 83—341.
Murray, Charles W., to Heppenstall Co. Rotary crop shear knives and the like. 3,358,542, 12–19–67, Cl. 83—673.
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Murray, Donald W. Backhoe attachment. 3,353,285, 11–21–67, Cl. 37—2.
Murray, Donald W., and L. K. King, to Pittsburgh Plate Glass Co. Method for fabricating multiple glazing units. 3,360,351, 12–26–67, Cl. 65—24.

Murray, Edgar N. Barbecue apparatus. 3,326,201, 6–20–67, Cl. 126—25.
Murray, Ernest E. Work wheel mechanism and associated apparatus. 3,295,261, 1–3–67, Cl. 51—108.
Murray, Ernest E. Fishing bobber. 3,323,247, 6–6–67, Cl. 43—17.
Murray, Francis E.: *See*—
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Murray, George E., to The Dow Chemical Co. Insulate skylight. 3,350,823, 11–7–67, Cl. 52—200.
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Murray, George T.: *See*—
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Murray Gilbert. Packaging machine. 3,323,278, 6–6–67, Cl. 53—119.
Murray, Harley W. Detachable goose neck trailer. 3,326,572, 6–20–67, Cl. 280—423.
Murray, Herbert C.: *See*—
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Fonken, Gunther S., Herr, and Murray. 3,352,884.
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Murray, John A., to U.S. Terrazzo Panels, Inc. Terrazzo, composition and method. 3,305,506, 2–21–67, Cl. 260—29.6.
Murray, John H., to Clemson Industries, Inc. Packaging apparatus. 3,320,719, 5–23–67, Cl. 53—182.
Murray, John H., to Clemson Industries, Inc. Packaging apparatus. 3,320,720, 5–23–67, Cl. 53—182.
Murray, John H., to Clemson Industries, Inc. Packaging apparatus. 3,320,721, 5–23–67, Cl. 53—182.
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Murray, Kenneth J., and A. R. Kittleson, to Esso Research and Engineering Co. Process for preparing carboxylic acids. 3,341,554, 9–12–67, Cl. 260—343.6.
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Laverty, Martin J. 3,345,730.
Norden, Alexander R. 3,305,806.
Norden, Alexander R. 3,331,576.
Norden, Alexander R., 3,344,376.
Norden, Alexander R., and Kobryner. 3,339,052.
Murray, Maurice M., and B. H. Andrews, to Publishers' Paper Co. Transfer mechanism for web. 3,351,521, 11–7–67, Cl. 162—307.
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Murray, Peter J. Program card controlled switch apparatus for testing transistors and the like. 3,308,378, 3–7–67, Cl. 324—158.
Murray, Raymond P. Superregenerative receiver with automatic squelch. 3,296,535, 1–3–67, Cl. 325—429.
Murray, Robert E., to McGraw-Edison Co. Indexing apparatus for dictation systems. 3,327,068, 6–20–67, Cl. 179—100.2.
Murray, Robert E. Lubricator pad. 3,347,606, 10–17–67, Cl. 308—243.
Murray, Robert T., to United-Carr Inc. Lamp assembly. 3,316,527, 4–25–67, Cl. 339—188.
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Simmons, Harold T., and Murray. 3,313,175.
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Murray, Thomas C., R. R. Roberts, and J. B. Stone, to Xerox Corp. Xerographic developing apparatus. 3,316,875, 5–2–67, Cl. 118—6.
Murray, Thomas C., and R. R. Roberts, to Xerox Corp. Escapement mechanism. 3,323,373, 6–6–67, Cl. 74—1.5.
Murray, Thomas C., and R. R. Roberts, to Xerox Corp. Microfiche utilization machine. 3,324,761, 6–13–67, Cl. 88—24.
Murray, Thomas C., and F. B. Laessker, to Xerox Corp. Plate cleaning and transporting apparatus. 3,337,891, 8–29–67, Cl. 15—102.
Murray, Thomas C., and R. R. Roberts, to Xerox Corp. Sequential control system. 3,357,574, 12–12–67, Cl. 214—1.
Murray, William O.: *See*—
Murray, William R. and W. O. 3,333,666.
Murray, William R. and W. O. Electronic microwave cooking and vending machine. 3,333,666, 8–1–67, Cl. 194—10.
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Muta, Akinori, T. Gejo, and M. Shiozawa, to Kabushiki Kaisha Hitachi Seisakusho. Production of boron carbide. 3,328,129, 6–27–67, Cl. 23—208.
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Myers, Jack A., to United States of America, Navy. Air-arming impact fuze. 3,351,017, 11–7–67, Cl. 102—76.

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Myers, John H., to James R. Kearney Corp. Electrical switch having a pivotable and rotatable blade and switch operating mechanism therefor. 3,299,230, 1–17–67, Cl. 200—48.

Myers, John H., to Rexall Drug and Chemical Co. Adjustable pressure extruding die. 3,343,214, 9–26–67, Cl. 18—12.

Myers John L., to General Motors Corp. Motor speed control circuit. 3,324,372, 6–6–67, Cl. 318—227.

Myers, John L., to H. K. Porter Co., Inc. Multi-outlet wiring device. 3,336,560, 8–15–67, Cl. 339—14.

Myers, John W., and W. C. Lanning, to Phillips Petroleum Co. Production of benzene. 3,296,323, 1–3–67, Cl. 260—672.

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Myers, Lawrence A., to Chore-Time Equipment, Inc. Fan blade construction. 3,323,711, 6–6–67, Cl. 230—134.

Myers, Morgan J. Upright burial casket, vault and carrier. 3,348,280, 10–24–67, Cl. 127—2.

Myers, Raymond M. Educational device. 3,318,023, 5–9–67, Cl. 35—35.

Myers, Richard A., to McDonnell Douglas Corp. Forming method and apparatus. 3,339,387, 9–5–67, Cl. 72—63.

Myers, Richard D., to Marathon Products Corp. Single reel endless tape or film cartridge. 3,304,019, 2–14–67, Cl. 242—55.19.

Myers, Richard J., to Manfield Engineering Corp. Adjustable height pedestal. 3,347,511, 10–17–67, Cl. 248—422.

Myers, Robert R., to Aluminum Co. of America. Bundle spacer devices. 3,303,263, 2–7–67, Cl. 174—42.

Myers, Robert R. Swimming pool cleaning means. 3,321,787, 5–30–67, Cl. 15—1.7.

Myers, Robert R. Swimming pool cleaning means. 3,324,492, 6–13–67, Cl. 15—1.7.

Myers, Thomas E., to Ideal Industries Inc. Relay switching circuit. 3,303,397, 2–7–67, Cl. 317—148.5.

Myers, Thomas E., to Ideal Industries, Inc. Voltage polarity and frequency tester having A.C.-D.C. compensation and gas tube indicators. 3,304,498, 2–14–67, Cl. 324—133.

Myers, Thomas E. Ducted rotor aircraft. 3,314,628, 4–18–67, Cl. 244—17.17.

Myers, Thomas E., to Ideal Industries, Inc. Human contact controlled dimmer circuit with multivibrator and biswitch operation. 3,320,437, 5–16–67, Cl. 307—88.5.

Myers, Thomas E., to Ideal Industries, Inc. Human contact controlled switching circuit using a multivibrator and biswitch. 3,320,438, 5–16–67, Cl. 307—88.5.
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Myers, Thomas E., to Ideal Industries, Inc. Capacitor operated SCR switching circuit. 3,329,838, 7–4–67, Cl. 307—

Myers, Thomas E., to Ideal Industries, Inc. SCR controlled, capacitor fed relay with filter means. 3,330,996, 7–11–67, Cl. 317—147.

Myers, Thomas E., to Ideal Industries, Inc. Bistable multivibrator for operating a pair of control coils. 3,335,333, 8–8–67, Cl. 317—149.

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Myklebust, Roger, S. Forsberg, and B. Lomar, to Allmänna Svenska Elektriska Aktiebolaget. Cooling electrical equipment. 3,319,156, 5–9–67, Cl. 323—78.

Mylenbusch, Helmut, H. Krimm, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Diethers and copolymerizates therefrom. 3,327,019, 6–20–67, Cl. 260—861.

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Mylo, John, to Monsanto Co. Continuous fiber treating apparatus. 3,328,982, 7–4–67, Cl. 68—5.

Mylo, John, to Monsanto Co. Method and apparatus for cutting fiber tow into staple. 3,334,532, 8–8–67, Cl. 83—18.

Mylo, John, to Monsanto Co. Staple fiber cutter. 3,353,431, 11–21–67, Cl. 83—116.

Mylo, John, to Monsanto Co. Process for crimping filaments at the spinneret face. 3,359,356, 12–19–67, Cl. 264—168.

Mylrea, Bruce W., Sr., and D. R. Scarbrough, Sr., to Lockheed Aircraft Corp. Aerial delivery system. 3,323,762, 6–6–67, Cl. 244—138.

Myon, Rene, to Appareils et Evaporateurs Kestner. Methods of preparing high-concentration phosphoric acid. 3,314,-756, 4–18–67, Cl. 23—165.

Myon, Rene, to Appareils et Evaporateurs Kestner. Methods of concentrating phosphoric acid. 3,314,757, 4–18–67, Cl. 23—165.

Mytinger, Lawrence B., to Moak Machine and Foundry Co. Tilting arbor saw. 3,315,715, 4–25–67, Cl. 143—36.

Mytinger, Lawrence B., to Moak Machine and Foundry Co. Fence for tilting arbor saw. 3,315,716, 4–25–67, Cl. 143—174.

Mytum, Ernest, to Courtaulds Ltd. Manufacture of crimped viscose rayon fibres. 3,340,340, 9–5–67, Cl. 264—168.

Mytych, Casimir J., and T. A. Tietjen, to Xerox Corp. Method for simultaneous production of a plurality of microcircuit wafers. 3,334,000, 8–1–67, Cl. 156—11.

Mzyk, Heinrich, and P. Pinkert, to Veb Webstuhbau Grosshain. Shuttle feelers for looms. 3,332,452, 7–25–67, Cl. 139—341.

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Neale, Denis M., to Ilford Ltd. Photographic multicolour printing. 3,350,981, 11–7–67, Cl. 88—24.

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Newcomer, Jack S., E. D. Weil, and E. Dorfman, to Hooker Chemical Corp. Mixed glycol ester of 2,3,6-trichlorophenylacetic acid and trichloroacetic acid. 3,299,120, 1–17–67, Cl. 260—476.
Newcomer, Jack S., E. D. Weil, and E. Dorfman, to Hooker Chemical Corp. Herbicidal method utilizing phenyl of 2,3,6-trichlorophenylacetate. 3,318,682, 5–9–67, Cl. 71—2.6.

Newcomer, Jack S., E. D. Weil, and E. Dorfman, to Hooker Chemical Corp. Herbicidal method utilizing glycol esters of 2,3,6-trichlorophenylacetic acid as herbicides. 3,325,273, 6-13-67, Cl. 71—2.6.

Newcomer, Jack S., E. D. Weil, E. Dorfman, and J. Linder, to Hooker Chemical Corp. Method for the control of weeds employing halobenzyl esters of polybasic acids. 3,338,702, 8-29-67, Cl. 71—86.

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Nichols, Edgar B. Bowling pin with homogeneous nylon casing including an interior filamentary structure. 3,300,-214, 1–24–67, Cl. 273—82.
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Merz, Max. 3,334,670.
Nicholson, Harold L.: *See*—
Ingram, Alvin R., Zupanc, and Nicholson. 3,359,219.
Nicholson, James F., to Westinghouse Electric Corp. Television camera devices and related systems. 3,341,734, 9–12–67, Cl. 315—12.
Nicholson, John A. Remote control for an internal combustion engine. 3,338,225, 8–29–67, Cl. 123—179.
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Robbins, George E. 3,333,615.
Nicholson, Merle A., to Wood Conversion Co. Ventilating ceiling and suspension grid therefor. 3,354,598, 11–28–67, Cl. 52—732.
Nicholson, Patricia C., to National Geographic Society. Phonograph book with indexing means. 3,321,208, 5–23–67, Cl. 274—42.
Nicholson, Peter, to British Insulated Callender's Cables Ltd. Supporting of electric cables whilst travelling in the direction of their length. 3,341,637, 9–12–67, Cl. 264—22.
Nicholson, Raymond B., and W. S. Richardson, to Westinghouse Electric Corp. X-ray brightness control system with means to vary the power applied to the X-ray source. 3,345,516, 10–3–67, Cl. 250—103.
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Nicholson, William A., to Radiation Ltd. Radiating or incandescent burner. 3,298,419, 1–17–67, Cl. 158—99.
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Nicita, Domenico, and P. Parmeggiani, to Snia Viscosa Societa Nazionale Industria Applicazioni Viscosa S.p.A. Apparatus for melt-spinning. 3,325,863, 6–20–67, Cl. 18—8.
Nicita, Michael: *See*—
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Powers, Richard E., and Nick. 3,339,265.
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Nickel, Ronald W., Whiteaker, and D. D. Nickel. 3,303,-949.
Nickel, Hal G. Perforated hardboard. 3,306,564, 2–28–67, Cl. 248—225.
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Nickel, Horst: *See*—
Schundehutte, Karl-Heinz, Suckfull, and Nickel. 3,317,-507.
Nickel, Ronald W., D. J. Whiteaker, and D. D. Nickel. Refuse truck. 3,303,949, 2–14–67, Cl. 214—83.3.
Nickell, Eldon G. Shock absorber. 3,327,814, 6–27–67, Cl. 188—129.
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Nickell, Lawrence C., and R. B. Fertig, to Appalachian Electronic Instruments, Inc. Retro-reflective stop motion system. 3,345,835, 10–10–67, Cl. 66—166.
Nickels, Frank J., Jr., to Sun Shipbuilding & Dry Dock Co. Ship stabilization systems. 3,354,859, 11–28–67, Cl. 114—125.
Nickelson, Robert W., to Beltone Electronics Corp. Fluid switching device. 3,360,625, 12–26–67, Cl. 200—152.
Nickerson, Basil S.: *See*—
Curello, Charles, and Nickerson. 3,354,849.
Nickerson, Bryan W., Jr. Traction boot. 3,329,191, 7–4–67, Cl. 152—239.
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Webb, James E. 3,339,863.
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Nicolau, Ioan, L. Dogaru, C. Evghenide, A. Ionascut, N. Tihon, and V. Motoroiu, to Ministerul Petrolului. Method and means for measuring fluid density. 3,345,881, 10–10–67, Cl. 73—434.
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Nicolson, Kingsley M., to Chevron Research Co. Offshore deep drilling method from a floating platform. 3,341,398, 9–12–67, Cl. 175—7.
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Niederer, Otto C. and H. O. 3,349,907.
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Horn, Elmar-Manfred, and Niederprum. 3,357,949.
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Nielsen, Axel L. Mounting means for sub-floor pump. 3,296,-971, 1–10–67, Cl. 103—102.
Nielsen, Carl A.: *See*—
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Nielsen, Erik J., to Square D Co. Segmented electrical terminal strip. 3,302,160, 1–31–67, Cl. 339—198.
Nielsen, Erik R., and E. A. Swire, to Mono-Sol Corp. Resinous polymer dispersion and method of making the same. 3,304,-279, 2–14–67, Cl. 260—30.6.
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Nielsen, Floyd B., to United States of America, Air Force. Laser initiated rocket type igniter. 3,296,795, 1–10–67, Cl. 60—39.82.
Nielsen, Georg P. C., to Allen Christensen & Co. Bed or chair with supporting surfaces having angular positions variable in relation to each other. 3,305,877, 2–28–67, Cl. 5—67.
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Nielsen, Morris L., to Monsanto Co. Phosphorus-nitrogen compounds. 3,347,643, 10–17–67, Cl. 23—357.
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Nielsen, Niels H., to Lockheed Aircraft Corp. Theft prevention device for motor vehicles. 3,354,980, 11–28–67, Cl. 180—114.
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Nier, Erich-Arthur and R. E., to Nirona-Worke Nier & Ehmer KG. Pressurized container, more particularly spray can. 3,343,730, 9–26–67, Cl. 222—402.24.
Nier, Erich-Arthur and R. E., and H. E. Gubela. Signboard, more particularly traffic sign. 3,359,671, 12–26–67, Cl. 40—135.
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Nightingale, Eugene R., Jr., to Esso Research and Engineering Co. Dehydration magnesium chloride using gaseous ammonia. 3,347,626, 10–17–67, Cl. 23—91.
Nightingale, Eugene R., Jr., and E. J. Barrasso, to Esso Research and Engineering Co. Liquid system-dehydration of magnesium chloride using ammonia. 3,346,332, 10–10–67, Cl. 23—91.
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Otsubo, Iwao, Ura, Sato, Hayakawa, and Sakata. 3,318,-764.
Shindo, Noboru, Wada, Ota, Suzuki, and Ohata. 3,327,-026.
Nissan Kagaku Kogyo Kabushiki Kaisha: *See*—
Murata, Atsuo, Kokubo, Nagakura, Ohba, and Arata. 3,308,123.
Nissen Corp.: *See*—
Nissen, George P. 3,312,471.
Nissen, George P. 3,339,925.
Nissen, George P., and Kelly. 3,303,905.
Nissen, George P., and Kelly. 3,347,508.
Nissen, George P., Stuckenschneider, and Kelly. 3,323,-767.
Nissen, George P., to Nissen Corp. Target for trampoline game apparatus. 3,312,471, 4–4–67, Cl. 273—105.
Nissen, George P., to Nissen Corp. Portable and demountable recreational apparatus. 3,339,925, 9–5–67, Cl. 273—95.
Nissen, George P., and H. J. Kelly, to Nissen Corp. Height adapter for foldable trampolines. 3,303,905, 2–14–67, Cl. 182—137
Nissen, George P., E. C. Stuckenschneider, and H. J. Kelly, to Nissen Corp. Supporting stand storage device. 3,323,767, 6–6–67, Cl. 248—165.
Nissen, George P., and H. J. Kelly, to Nissen Corp. Leveling device for gymnastic apparatus. 3,347,508, 10–17–67, Cl. 248—188.4.
Nissen, Hans G., and A. I. Martin. Heating and roasting devices, with system for collection of grease drippings. 3,320,873, 5–23–67, Cl. 99—423.
Nissen, Niels A., to Collins Radio Co. Temperature cycling device for precision frequency crystals. 3,295,592, 1–3–67, Cl. 165—12.
Nisser, Henrik, to J. M. Voith, G.m.b.H. Process and apparatus for the production of fibrous webs, especially for making paper or cardboard. 3,330,723, 7–11–67, Cl. 162—208.
Nisshen Oil Mills Ltd., The: *See*—
Sakai, Hiroshi, Hara, and Akioka. 3,303,182.
Nissim, Samuel: *See*—
Koerner, Ralph J., and Nissim. 3,334,336.
Schmidt, Ronald G., and Nissim. 3,310,723.
Nissim, Samuel, to The Bunker-Ramo Corp. Selection device. 3,316,540, 4–25–67, Cl. 340—172.5.
Nissley, Robert B. Interlocking joint for abutted edges of insulated panel sections. 3,327,447, 6–27–67, Cl. 52—582.
Nissman, Marvin J., to Ronson Corp. Mixing and blending device. 3,315,946, 4–25–67, Cl. 259—108.
Nist, Ferdinand J., Jr., to Seattle Box Co. Collapsible container. 3,323,674, 6–6–67, Cl. 217—12.
Nitafoam Ltd.: *See*—
Grimshaw, Norman. 3,298,885.
Nitchie, Charles D., to Koppers Co., Inc. Apparatus for applying adhesive to a moving web. 3,303,814, 2–14–67, Cl. 118—249
Nitka, Heinz F.: *See*—
Klem, Stanley J., Jr., and Nitka. 3,301,158.
Nitka, Heinz F., to General Aniline & Film Corp. Method of recording charged particles. 3,353,185, 11–14–67, Cl. 346—1.
Nitroglycerin Aktiebolaget: *See*—
Quadflief, Therese, and Wetterholm. 3,296,042.
Ström, Tor A., and Wetterholm. 3,342,133.
Nitrox S.A.: *See*—
Balestra, Carlo. 3,335,014.
Nitsch, Edward J.: *See*—
Stube, Frederick F., and Nitsch. 3,351,751.
Nitsch, Helmut, to Vickers-Zimmer Aktiengesellschaft, Planung und Bau von Industrieanlagen. Method of producing cycloalkanone oximes. 3,303,216, 2–7–67, Cl. 260—566.
Nitsche, Joseph E.: *See*—
Guyer, Edwin M., and Nitsche. 3,313,608.
Nitsche, Joseph E., to Corning Glass Works. Methods for forming materials of high purity by fusion. 3,303,115, 2–7–67, Cl. 204—130.
Nitsche, Rudolf, to Radio Corp. of America. Ferroelectric circuit element material and transducer utilizing same. 3,348,-077, 10–17–67, Cl. 310—8.5.
Nitschke, Bruno, to Siemens & Halske Aktiengesellschaft. Keyboard providing different unrelated codes in response to caseshift operation. 3,317,020, 5–2–67, Cl. 197—98.
Nitschke, Bruno, and A. Ruckerl, to Siemens & Halske Aktiengesellschaft. Keyboard capable of producing either of two different codes. 3,357,534, 12–12–67, Cl. 197—98.
Nitschke, Manfred: *See*—
Arnold, Sieghard, Buhrmann, Haasis, Heinrich, Nitschke, Schacht, and Speeth. 3,359,921.
Nitschke, Norman C.: *See*—
McMaster, Harold A., and Nitschke. 3,295,843.
McMaster, Harold A., and Nitschke. 3,332,759.
McMaster, Harold A., and Nitschke. 3,332,762.
McMaster, Harold A., and Nitschke. 3,338,697.
Nitta, Thomas: *See*—
Gross, Kenneth J., Nitta, Sawhill, and Williams. 3,337,-410.
Nitta, Tsuneharu: *See*—
Nagase, Kaneomi, Taki, and Nitta. 3,316,184.
Nitta, Yoshihiro, F. Yoneda, and T. Miyamoto, to Chugai Seiyaku Kabushiki Kaisha. Benzamidopyrimidines. 3,317,-534, 5–2–67, Cl. 260—256.4.
Nitta, Yoshihiro, K. Okui, and K. Ito, to Chugai Seiyaku Kabushiki Kaisha. 6-halo-2-amino substituted-4-sulfaniamido-pyrimidine compounds. 3,328,395, 6–27–67, Cl. 260—239.75.
Nitta, Yoshihiro, A. Shioya, and F. Yoneda, to Chugai Seiyaku Kabushiki Kaisha. 3-phenyl substituted-1-acetamido-pyridazone derivatives and their preparation. 3,328,403, 6–27–67, Cl. 260—250.
Nitta, Yoshio: *See*—
Furukawa, Tetsuya, Nitta, and Kiyokuni. 3,215,056.
Nitta, Yoshio, T. Takemura, and K. Kawasaki, to Fuji Denki Seizo Kabushiki Kaisha. Apparatus for detecting a signal advanced by a predetermined time interval relative to a zero point of an alternating electric current. 3,315,169, 4–18–67, Cl. 328—150.
Nitta, Zenjiro: *See*—
Fujiwara, Yoshiyuki, Fujiki, Ando, Nitta, Miyake, and Shigenari. 3,303,257.
Nittel, Eugenie, nee Krause. Heating structure, particularly for welding plastics. 3,337,716, 8–22–67, Cl. 219—541.
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Hin, Robbert P. M. 3,318,112.
Nitti, Nicholas J.: *See*—
Sloan, Louis, Nitti, and Pratt. 3,306,859.
Nittka, Karl. Adjustable torque converter. 3,321,984, 5–30–67, Cl. 74—117.
Nittler, William J. Firearm action. 3,304,643, 2–21–67, Cl. 42—42.
Nitto Boseki Co., Ltd.: *See*—
Kobayashi, Masaaki, and Matsumoto. 3,315,321.
Nitto Chemical Industry Co., Ltd.: *See*—
Hiroki, Kenzo, Shizume, Nakamura, Yoshino, Kamio, Irie, and Kawamura. 3,346,617.
Hirose, Keisuke, Hasegawa, and Fujimaki. 3,303,154.
Yamaguchi, Hachiro, and Nakano. 3,329,720.
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Yonezaki, Shigeru, Nitto, and Asano. 3,296,100.
Nitto Kohki Co. Ltd.: *See*—
Mikiya, Toshio, and Aoki. 3,344,868.
Nitz, Jacob: *See*—
Kendall, Fred E., and Nitz. 3,297,439.
Nitz, Rolf-Eberhard: *See*—
Ritter, Heinrich, Beyerle, and Nitz. 3,311,635.
Nitzan, David: *See*—
Bennion, David R., English, and Nitzan. 3,303,480.
Bennion, David R., English, and Nitzan. 3,322,965.
Nitzan, David, to AMP Inc. Magnetic core structure and circuit. 3,341,832, 9–12–67, Cl. 340—174.
Nitzan, David, to AMP Inc. Circuit for multi-aperture magnetic core devices. 3,349,380, 10–24–67, Cl. 340—174.
Nitzsche, Bertha P. Tire rivets. 3,308,867, 3–14–67, Cl. 152—370
Nitzsche, Siegfried: *See*—
Buchheit, Paul M., and Nitzsche. 3,341,563.
Nitzsche, Siegfried, M. Wick, and P. Hittmair, to Wacker-Chemie G.m.b.H. Silicone rubber foam compositions. 3,338,-847, 8–29–67, Cl. 260—2.5.
Nitzsche, Siegfried, and P. Buchheit, to Wacker-Chemie G.m.b.H. Preparation of silarylenesilanol and polysilarylenesiloxanols. 3,338,870, 8–29–67, Cl. 260—46.5.
Nitzsche, Siegfried, and P. Buchheit, to Wacker-Chemie G.m.b.H. Method for preparing polysilarylene-polysiloxane copolymers. 3,350,350, 10–31–67, Cl. 260—46.5.
Nivens, Allen B., to Ideal Industries, Inc. Sliver coiler. 3,299,479, 1–24–67, Cl. 19—159.
Nivens, Allen B., to Ideal Industries, Inc. Coiler stop motion apparatus for textile machines. 3,316,597, 5–2–67, Cl. 19—.2.
Nivens, Allen B., and J. A. F. Rayfield, to Ideal Industries, Inc. Stop motion apparatus for textile machines. 3,311,-953, 4–4–67, Cl. 19—.23.
Niviere, Jean, to Ets. Marechal Co. Process for the manufacture of adhesive sheets, particularly for purposes of decoration. 3,321,349, 5–23–67, Cl. 156—230.
Niwa Machinery Co.: *See*—
Matsunami, Hiroshi, and Yagi. 3,319,353.
Niwa, Takato. Expansible hollow core. 3,314,846, 4–18–67, Cl. 161—69.
Niwa, Takenao, and S. Ozaki. Process for converting sulfate pump waste residues into high utility material and means of applying same. 3,349,921, 10–31–67, Cl. 210—509.

Niwa, Yasuo: *See*—
Fukuzawa, Heihachiro, Namba, Niwa, and Uchino. 3,323,-871.
Niwatsukino, Tooru: *See*—
Kameishi, Masayuki, Higuchi, and Niwatsukino. 3,344,-510.
Niwatsukino, Toru: *See*—
Higuchi, Ryuichiro, Uesako, and Niwatsukino. 3,325,075.
Nix, George F. Photocopy paper package. 3,360,258, 12–26–67, Cl. 271—18.
Nix, George J.: *See*—
Holden, John C., Cook, Babin, and Nix. 3,318,382.
Nix, Joseph E.: *See*—
Brock, Winford G., and Nix. 3,311,678.
Nix, Uthai L. Tool holder. 3,311,005, 3–28–67, Cl. 82—36.
Nixdorf, Joachim, to The Federal Republic of Germany (as represented by the Secretary of Defense). Heating device. 3,328,559, 6–27–67, Cl. 219—388.
Nixdorf, Joachim, and A. Burgel, to Federal Republic of Germany, Defense. Tensioning device. 3,323,754, 6–6–67, Cl. 242—147.
Nixon, Alan C.: *See*—
Houff, William H., and Nixon. 3,321,422.
Hunter, Leon, and Nixon. 3,322,725.
Nixon, Albert L. Data processing means having storage circuits. 3,323,715, 6–6–67, Cl. 234—16.
Nixon, Brian G., and R. C. Preston, to Weighload Ltd. Dynamometers. 3,310,981, 3–28–67, Cl. 73—144.
Nixon, Donald R., to Westinghouse Electric Corp. Motor pump unit. 3,347,168, 10–17–67, Cl. 103—87.
Nixon, James: *See*—
Panzer, Jerome, Nixon, and Kassinger. 3,354,086.
Nixon, James, to Esso Research and Engineering, Co. Calcium acetate lubricant. 3,310,490, 3–21–67, Cl. 252—40.7.
Nixon, Jeddy D.: *See*—
Garrett, William R., and Nixon. 3,326,305.
Leathers, Clarence H., and Nixon. 3,323,327.
Nixon, Thomas D.: *See*—
James, Forrest H., Jr., Cockrell, and Nixon. 3,360,019.
Nixon, Virgil H., to Missouri-Rogers Corp. Crusher. 3,295,-773, 1–3–67, Cl. 241—191.
Nixon, Walter B.: *See*—
Sweeney, Thomas E., and Nixon. 3,341,125.
Nixon, William G.: *See*—
Bloch, Herman S., and Nixon. 3,324,193.
Bloch, Herman S., and Nixon. 3,336,410.
Nixon, William G., and J. R. Marcus, to Universal Oil Products Co. Separation process. 3,331,881, 7–18–67, Cl. 260—674.
Noack, Robert L., to Radio Corp. of America. Method of making magnetic material with pattern of embedded non-magnetic material. 3,333,333, 8–1–67, Cl. 29—604.
Noack, Robert L., and C. Wentworth, to Radio Corp. of America. Method of forming a pattern. 3,322,871, 5–30–67, Cl. 264—104.
Noakes, Mary: *See*—
Noakes, Roy E. 3,325,187.
Noakes, Roy E., deceased (by M. Noakes, temporary administratrix). Tow hitch construction. 3,325,187, 6–13–67, Cl. 280—493.
Nobbs, Vestal L. Girdle. 3,339,554, 9–5–67, Cl. 128—528.
Nobel-Bozel: *See*—
Gandon, Louis. 3,357,877.
Latty, Cyril X. G. 3,300,541.
Marcheguet, Henri G. L., and Gandon. 3,350,165.
Talet, Pierre. 3,301,900.
Nobel, Fred I.: *See*—
Ostrow, Barnet D., and Nobel. 3,305,461.
Ostrow, Barnet D., and Nobel. 3,305,462.
Ostrow, Barnet D., and Nobel. 3,309,293.
Nobile, Luciano, to Ledoga S.p.A. Process for preparing sucrose esters of high molecular weight fatty acids. 3,349,-081, 10–24–67, Cl. 260—234.
Nobile, Luciano, and T. La Noce, to Miles Italiana Derivati Amidi-Mi.D.A. S.p.m. Reaction products of starch with dimethyl sulfoxide and alcohols. 3,309,360, 3–14–67, Cl. 260—233.3.
Nobili, Pietro. Foodstuff washing machine. 3,338,251, 8–29–67, Cl. 134—120.
Noble, Burton A., and A. F. Uhlig, to Owens-Illinois, Inc. Container handling and inspecting apparatus. 3,356,203, 12–5–67, Cl. 198—33.
Noble, David L.: *See*—
Andrews, Douglas R., and Noble. 3,316,536.
Noble, Gardiner A., to Chrysler Corp. Method and apparatus for welding control circuit. 3,358,116, 12–12–67, Cl. 219—110.
Noble, Gardiner A., and J. A. Muir, to Chrysler Corp. Electric switch. 3,320,558, 5–16–67, Cl. 335—147.
Noble, James F.: *See*—
Malloch, Alexander S., and Noble. 3,339,491.
Noble, John H., to Stone & Webster Engineering Corp. Removal and disposal of radioactive contaminants in mixed ion exchange resins with alkali metal halide. 3,340,200, 9–5–67, Cl. 252—301.1.
Noble Mfg. Co.: *See*—
Neuhring, Robert R. 3,337,241.
Sosalla, Harry L. 3,302,956.
Noble, Milton L. Apparatus for projecting cylindrical objects as circular images. 3,347,133, 10–17–67, Cl. 88—24.
Noble, Milton L., to General Electric Co. Total internal reflection projection system. 3,357,299, 12–12–67, Cl. 88—24.
Noble, Peter J. W.: *See*—
Dyson, James, and Noble. 3,326,079.
Noble, Peter M.: *See*—
Garrett, Edward O., Jr., and Noble. 3,340,963.
Noble, Ronald M.: *See*—
Webb, James E. 3,305,810.
Noble, Ruth I. Drop foot and heel guard for bed patients. 3,345,654, 10–10–67, Cl. 5—319.
Noble & Wood Machine Co., The: *See*—
Sargood, Richard J. 3,314,617.
Tomlinson, William C. 3,305,180.
Nobles, William L., to University of Mississippi. Certain 3-(acylalkyl)-3-azabicyclo-[3.2.2]nonane compounds. 3,318,-875, 5–9–67, Cl. 260—240.
Nobusawa, Tsukumo, and N. Uno, to Asahi Kogaku Kogyo Kabushiki Kaisha (English name: Asahi Optical Industry Co., Ltd.). Photoelectric time control shutter circuit for photographic camera. 3,324,779, 6–13–67, Cl. 95—42.
Nobusawa, Tsukumo, and N. Uno, to Asahi Kogaku Kogyo Kabushiki Kaisha. Camera shutter control device. 3,347,-141, 10–17–67, Cl. 95—10.
Noda, Ikuya, K. Kato, A. Yamamoto, K. Okano, T. Ueta, H. Minami, and R. Hirano, to Fuji Iron & Steel Co., Ltd. Methods and apparatus for manufacture of H-section steel having surface projections. 3,335,596, 8–15–67, Cl. 72—366.
Noda, Ikuya, A. Yamamoto, Y. Ueta, H. Minami, R. Hirano, P. Someno, and K. Sudo, to Fuji Iron & Steel Co., Ltd. Method and apparatus for manufacturing H-shaped steel. 3,347,076, 10–17–67, Cl. 72—201.
Noda, Kazuo: *See*—
Fukushima, Osamu, Noda, and Kishida. 3,348,963.
Noda, Koji: *See*—
Ishikawa, Toshio, and Noda. 3,331,945.
Noda, Makoto: *See*—
Nishigaki, Sumumu, Kobayashi, Noda, and Kajita. 3,301,307.
Nodaway Valley Foods, Inc.: *See*—
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Stewart, Aubrey P., Jr. 3,348,955.
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Hennessy, James, and Noddin. 3,301,183.
Hennessy, James, and Noddin. 3,308,757.
Noddin, George A., to E. I. du Pont de Nemours and Co. Explosive composition and waterhammer resistant delay device containing same. 3,306,201, 2–28–67, Cl. 102—27.
Noddin, George A., to E. I. du Pont de Nemours and Co. Non-rupturing detonating cords. 3,311,056, 3–28–67, Cl. 102—27.
Noddin, George A., to E. I. du Pont de Nemours and Co. Detonating explosive in polytetrafluoroethylene matrix and preparation. 3,326,731, 6–20–67, Cl. 149—19.
Noddin, George A., to E. I. du Pont de Nemours and Co. Safe-arm mechanism for explosive trains. 3,342,131, 9–19–67, Cl. 102—22.
Noddin, Ray C., to Globe-Union Inc. Protection device for solid state ignition systems and battery charging systems. 3,300,702, 1–24–67, Cl. 320—25.
Noddin, Ray C., to Globe-Union Inc. Output control for permanent magnet alternators. 3,341,763, 9–12–67, Cl. 320—39.
Noddings, Charles R., to The Dow Chemical Co. Method for isomerizing alpha olefins to beta olefins with nickel-chromium phosphate. 3,327,014, 6–20–67, Cl. 260—683.2.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Method for isomerizing α-alkenes to β-alkenes with nickel phosphate catalyst. 3,297,778, 1–10–67, Cl. 260—683.2.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Double-band isomerization of olefins using chromium phosphate catalyst. 3,310,598, 3–21–67, Cl. 260—683.2.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Cobalt phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,321,544, 5–23–67, Cl. 260—683.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Chromium zinc phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,002, 6–20–67, Cl. 260—680.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Iron nickel phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,003, 6–20–67, Cl. 260—680.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Chromium copper phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,-004, 6–20–67, Cl. 260—680.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Chromium aluminum phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,-005, 6–20–67, Cl. 260—680.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Chromium iron phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,006, 6–20–67, Cl. 260—680.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Nickel copper phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,007, 6–20–67, Cl. 260—680.

Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Nickel iron phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,008, 6–20–67, Cl. 260—680.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Calcium iron phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,009, 6–20–67, Cl. 260—680.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Chromium calcium phosphate catalyst and method for dehydrogenating olefins. 3,327,010, 6–20–67, Cl. 260—680.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Iron chromium phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,011, 6–20–67, Cl. 260—680.
Noddings, Charles R., and R. G. Gates, to The Dow Chemical Co. Iron aluminum phosphate catalyst and method for dehydrogenating and cracking alkanes and olefins. 3,327,012, 6–20–67, Cl. 260—680.
Noddings, James A.: *See*—
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Nodwell, Bruce, and J. E. Rymes, to Robin-Nodwell Mfg. Ltd. Front axle adjustment. 3,329,227, 7–4–67, Cl. 180—9.6.
Noe, Harold C., to Haggar Mills Div. of I. Zendman Inc. Guide bar lapping mechanism for warp knitting machines. 3,350,901, 11–7–67, Cl. 66—86.
Noel, Georges, to Centre Experimental de recherches et d'Etudes du Eatiment et des T. P. Soil deformation measuring cell with positioning liner. 3,349,610, 10–31–67, Cl. 73—84.
Noel, Howard S., to FMC Corp. Packaging device. 3,314,713, 4–18–67, Cl. 294—87.28.
Noel, Robert M., to Key Machinery Designers, Inc. Chipper head and blade. 3,356,114, 12–5–67, Cl. 144—172.
Noel, Yvon-Pol, to Centre National de Rocherches Metallurgeques. Method of measuring temperatures. 3,299,707, 1–24–67, Cl. 73—339.
Noell, Algernon S., Jr.: *See*—
Egglestone, Robert W., and Noell. 3,309,593.
Egglestone, Robert W., and Noell. 3,353,077.
Noeske, Heinz: *See*—
Feichtinger, Hans, and Noeske. 3,317,469.
Gothel, Herbert, Feichtinger, and Noeske. 3,336,227.
Nofer, Paul. Container closure. 3,313,440, 4–11–67, Cl. 215—39.
Nofre, Claude: *See*—
Colobert, Louis, Cier, and Nofre. 3,329,607.
Nogaj, Richard J.: *See*—
Ciabattari, Emil J., and Nogaj. 3,341,450.
Nogami, Ikuo: *See*—
Banno, Isao, Iijima, Hasegawa, Igarasi, Imada, Nogami, Suhara, Yoneda, and Ohmor. 3,298,923.
Nogami, Iwao, and T. Nakagawa, to Honeywell Inc. Extended range measuring and recording apparatus. 3,327,118, 6–20–67, Cl. 250—83.3.
Nogami, Kunishige, and T. Ohno, to Hitachi Ltd. Composite frame having two three-stage crossbar switch link frames. 3,345,465, 10–3–67, Cl. 179—22.
Noguchi Institute, The: *See*—
Noyori, Gentaro, Kurokawa, and Okazaki. 3,342,838.
Noguchi, Teruhisa: *See*—
Miyazaki, Koshin, Hashimoto, Kaji, Sakimoto, Taniguchi, and Noguchi. 3,334,126.
Noguchi, Tetsutaro: *See*—
Takemura, Kazuhiko, and Noguchi. 3,344,594.
Noguchi, Yoshisuke, ½ to Shozo Takase. Locking device for an automotive hydraulic brake. 3,322,246, 5–30–67, Cl. 192—.049.
Noguera, John M., to Casablancas Ltd. Rotary suspension bobbin holder for textile machines. 3,331,567, 7–18–67, Cl. 242—130.2.
Noguera, Joseph, to Casablancas High Draft Co. Ltd. Sliver feed and drafting means of a ring spinning frame. 3,312,-050, 4–4–67, Cl. 57—34.
Nohe, Heinz, C. Palm, and R. Platz, to Badische Anilin- & Soa-Fabrik Aktiengesellschaft. Production of acrylonitrile or methacrylonitrile. 3,309,395, 3–14–67, Cl. 260—465.3.
Nohumra, Ryotaro, to The Research Development Corp. of Japan. Flexible container. 3,356,120, 12–5–67, Cl. 150—.5.
Noiles, Douglas G., and D. A. Boylan, to Westinghouse Electric Corp. Electrode fastening device. 3,343,028, 9–19–67, Cl. 313—260.
Noirclerc, Andre, to Societe Industrielle de Liansons Electriques. Cable hanger. 3,295,804, 1–3–67, Cl. 248—60.
Noirot, Louis P., to Simmonds S.A. Device for assembling two parts having between them a connection of the screw and nut type. 3,325,196, 6–13–67, Cl. 287—20.3.
Nojima, Susumu: *See*—
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Nojima, Takeo, to E. Y. Osawa. Method of and apparatus for refining molten metals. 3,334,993, 8–8–67, Cl. 75—45.
Nolan, Arthur: *See*—
Stamberger, Paul, and Nolan. 3,343,556.
Nolan Co., The: *See*—
Merritt, Glenn W. 3,343,502.
Nolan, Edward J., C. C. Meeks, N. Rosenfeld, and F. J. Le Quire, said Meeks assor. to National Mobile Incinerator Corp. Combination refuse- and snow-removal vehicle. 3,327,659, 6–27–67, Cl. 110—8.
Nolan, Gaillard R.: *See*—
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Nordgren, Robert, to General Mills, Inc. Adducts of polygalactomannan gums and process for preparing same. 3,346,-555, 10–10–67, Cl. 260—209.

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O'Day, Cortland N., and Sweeney. 3,322,056.
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Oddo, Donald J., to Sheldon Machine Co., Inc. Engine lathe gear box. 3,355,958, 12–5–67, Cl. 74—353.
Oddo, Gerald P. Pick for playing stringed musical instruments. 3,312,137, 4–4–67, Cl. 84—322.
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Oddsen, Odd N. Roller bearing and a method of making same. 3,317,257, 5–2–67, Cl. 308—191.
Oddy, Edward P., to Borg-Warner Corp. Round tank heat exchanger. 3,307,622, 3–7–67, Cl. 165—151.
Oddy, Edward P., and L. Kinal, to Borg-Warner Corp. Method for making a heat exchanger. 3,309,763, 3–21–67, Cl. 29—157.3.
O'Dea, Thomas M., to United States Surgical Corp. Medical instrument. 3,315,863, 4–25–67, Cl. 227—19.
Odegaard, John. Cable or wire plastic securing device. 3,341,651, 9–12–67, Cl. 174—159.
Odegaard, John C., and R. T. Bustos, to Boise Cascade Corp. Combination shelf and coat hanger support. 3,339,749, 9–5–67, Cl. 211—94.
Odeh, Aziz S., to Mobil Oil Corp. Method for recovering hydrocarbons. 3,302,710, 2–7–67, Cl. 166—9.
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Odekerken, Jules M., to Research-Holland, N.V. Method for covering objects with a decorative bright nickel/chromium coating, as well as objects covered by applying this method. 3,298,802, 1–17–67, Cl. 29—194.
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O'Dell, Earl W., G. H. Dierssen, and R. Hofstadter, to The Harshaw Chemical Co. Calcium iodide phosphors. 3,303,342, 2–7–67, Cl. 250—71.5.
O'Dell, Leonard J., to American Air Filter Co., Inc. Dust collector apparatus. 3,332,218, 7–25–67, Cl. 55—303.
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Odgers, Ira D., M. A. Nelson, and W. W. Svendsen, to Odgers Drilling Inc. Drill rig. 3,301,334, 1–31–67, Cl. 173—43.
Odier, Marc. Device for studying the behavior of moving bodies. 3,342,120, 9–19–67, Cl. 95—11.
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Odler, Frances A. Nut holding and cutting tool. 3,302,675, 2–7–67, Cl. 146—13.

Odo, Keijiro, and E. Ichikawa, to Nippon Carbide Kogyo Kabushiki-Kaisha. Method of producing a guanyl-O-alkylisourea salt. 3,360,534, 12–26–67, Cl. 260—429.9.

Odom, Martin A. Automatic telephone call translating and forwarding apparatus. 3,301,961, 1–31–67, Cl. 179—18.

O'Donnell, Charles H., and J. S. Tame, to United States of America, Navy. Acoustic transponder. 3,316,529, 4–25–67, Cl. 340—2.

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O'Donnell, James W. Trolley transfer apparatus between independent overhead rail systems. 3,336,877, 8–22–67, Cl. 104—100.

O'Donnell, John F., to Abcor, Inc. Method of fraction collecting of samples from a gas chromatographic system. 3,357,-157, 12–12–67, Cl. 55—23.

O'Donnell, Miles C., to Eastman Kodak Co. Spindle detent. 3,359,020, 12–19–67, Cl. 287—53.

O'Donnell, Thomas P. Enclosure comprising outside shelf and inside compartment machine installationally disposed. 3,316,042, 4–25–67, Cl. 312—198.

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O'Donnell, William R., and S. W. Beres, to Valve Corp. of America. Discharge-carrying actuator for aerosol dispenser. 3,327,908, 6–27–67, Cl. 222—402.24.

Oebell, Wolfgang W. E., to H. G. Molenaar & Co. (Proprietary) Ltd. Extractor means for extracting liquid from a liquids containing mass. 3,304,855, 2–21–67, Cl. 100—116.

Oechsle, Carl F. Carrier for books and small articles. 3,346,-155, 10–10–67, Cl. 224—9.

Oechsler, Albert, to SKF Fugellagerfabriken Gesellschaft mit beschrankter Haftung. Cage for roller bearings. 3,350,149, 10–31–67, Cl. 308—217.

Oechslin, Konrad, and P. Moser, to Escher Wyss Aktiengesellschaft. Housing for a gas or steam turbine. 3,304,054, 2–14–67, Cl. 253—39.

Oechslin, James H. Lock for vending apparatus. 3,336,773, 8–22–67, Cl. 70—337.

Oechslin, Konrad, to Wyss, Escher, Aktiengesellschaft. Shaft seal for a thermal machine. 3,351,396, 11–7–67, Cl. 308—36.3.

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Oehrli, John W. Adjustable dado and tongue cutting tool. 3,318,348, 5–9–67, Cl. 144—238.

Oehser, Gordon V., to Laboratory for Electronics, Inc. Particle monitor having first and second detection means connected by an anti-coincidence circuit. 3,312,821, 4–4–67, Cl. 250—41.9.

Oeland, Ernest N., Jr., to United States of America, Navy. Propeller assembly drive. 3,301,210, 1–31–67, Cl. 114—20.

Oelderik, Jan M., and P. C. Aben, to Shell Oil Co. Hydrogenation of sulfolenes. 3,345,384, 10–3–67, Cl. 260—332.1.

Oele, Adriaan P., G. J. J. M. Taks, S. Dingemans, and J. Damme, to Stamicarbon N.V. Melamine recovery. 3,310,-558, 3–21–67, Cl. 260—249.7.

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Oertel, Gunter, H. Malz, H. Holtschmidt, and E. Degener, to Farbenfabriken Bayer Aktiengesellschaft. Phosphorous, arsenic or antimony derivatives of urea and thiourea. 3,311,677, 3–28–67, Cl. 260—926.

Oertel, Günter, H. Malz, and A. Dörken, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of O,O-dialkyl thiophosphoryl acetic and propionic acid monosubstituted amides. 3,341,634, 9–12–67, Cl. 260—984.

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Oesau, Robert J. Isometric exerciser with elongated nonelastic tension members. 3,355,171, 11–28–67, Cl. 272—82.

Oesler, William. Door locking devices. 3,316,005, 4–25–67, Cl. 292—296.

Oess, Frederick G., to Hughes Aircraft Co. Electron impervious flexible shield member for electron discharge tubes. 3,313,975, 4–11–67, Cl. 313—241.

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Oesterreicher, Wolfgang, to Zinser Textilmaschinen G.m.b.H. Brake for textile spindles. 3,338,340, 8–29–67, Cl. 188—75.

Oeters, Harold R., to International Business Machines Corp. Data queuing system with use of recirculating delay line. 3,328,772, 6–27–67, Cl. 340—172.5.

Oetiker, Hans. Fastening arrangement for fire hoses and the like. 3,297,343, 1–10–67, Cl. 285—37.

Oetiker, Hans. Clamp structure with corrugated insert ring for relatively hard, inelastic parts. 3,303,669, 2–14–67, Cl. 64—11.

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O'Fallon, Richard G., to Motorola, Inc. Cathode ray tube manufacture. 3,321,263, 5–23–67, Cl. 316—18.

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Offer, Robert J., to Walker Mfg. Co. Filter tube. 3,305,161, 2–21–67, Cl. 229—93.

Offereins, Rienk P., to N.V. Hollandse Signaalapparaten. Arrangement for digitally establishing a measured value represented by an interval situated between two successive electrical phenomena. 3,343,095, 9–19–67, Cl. 328—48.

Office Central de Gestion et de Controle OGEC: *See*—
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Office National d'Etudes et de Recherches Aerospatiales dite: O.N.E.R.A.: *See*—
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Offner, Abe, to The Perkin-Elmer Corp. Optical system having cylindrical power. 3,317,267, 5–2–67, Cl. 350—181.

Offner, Abe, to The Perkin-Elmer Corp. Stable cylindrical lens systems. 3,359,056, 12–19–67, Cl. 350—181.

Offner, Franklin F. Differential direct-current amplifier. 3,304,513, 2–14–67, Cl. 330—69.

Offner, Franklin F., to Beckman Instruments, Inc. Recorder multiplier. 3,310,667, 3–21–67, Cl. 235—194.

Offner, Franklin F. Frequency modulation of radiation emitting P–N junctions. 3,312,910, 4–4–67, Cl. 331—94.5.

Offner, Franklin F. Apparatus for controlling the fuel air ratio for internal combustion engines. 3,329,411, 7–4–67, Cl. 261—27.

Offner, Franklin F., and W. T. Liberson. Method of muscular stimulation in human beings to aid in walking. 3,344,792, 10–3–67, Cl. 128—419.

Offray, Claude V., Jr., to Buser Century, Inc. Ribbon dispenser. 3,327,846, 6–27–67, Cl. 206—80.

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Oftedahl, Marvin L., to Monsanto Co. Method for controlling gram positive bacteria with dichlorophenylosazones. 3,337,-397, 8–22–67, Cl. 167—30.

Oftedahl, Marvin L., to Monsanto Co. Substituted benzylidene cyclohexanediones. 3,358,031, 12–12–67, Cl. 260—590.

Oga, Taijiro, H. Ichinokawa, and M. Ito, to Showa Denko Kabushiki Kaisha. Process for producing aromatic nitriles. 3,355,479, 11–28–67, Cl. 260—465.

Ogasawara, Naoyuki, to Nippon Electric Co., Ltd. High frequency circulator comprising a plurality of non-reciprocal ferromagnetic circuits. 3,310,759, 3–21–67, Cl. 333—1.1.

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Ogawa, Kohei, to Tombow Pencil Co., Ltd. Pencil draw-in device for pencil sharpener. 3,326,190, 6–20–67, Cl. 120—96.

Ogawa, Shinichiro, to Honeywell Inc. Automatic and manual switching system in an electronic controller. 3,360,661, 12–26–67, Cl. 307—70.

Ogawa, Shinichiro, and I. Ido, to Honeywell, Inc. Measuring system having photoelectric resistor functioning as both a rebalance potentiometer and converter. 3,310,738, 3–21–67, Cl. 324—99.

Ogawa, Shinichiro, K. Shiragaki, and M. Yamamoto, to Honeywell Inc. Current drive type transistorized servo-amplifier device. 3,327,237, 6–20–67, Cl. 330—30.

Ogawa, Shinichiro, and M. Tanaka, to Honeywell, Inc. Automatic and manual change over system for electronic controlling instruments. 3,340,408, 9–5–67, Cl. 307—112.

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Ogden, Harold S., to General Electric Co. Sequential starting system for a plurality of motors. 3,317,802, 5–2–67, Cl. 318—102.

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Ogden, Joseph, to Engelhard Industries, Inc. Spinnerette. 3,303,531, 2–14–67, Cl. 18—8.

Ogden, Larry M., and B. A. Wise, to General Dynamics Corp. Sonic apparatus. 3,325,858. 6–20–67, Cl. 18—2.7.

Ogden, Ralph P. Method of freeze drying liquid milk products. 3,297,455, 1–10–67. Cl. 99—201.

Ogden, Ralph P., and O. W. Law. Welding flux recovery hopper with magnet. 3,323,647, 6–6–67, Cl. 209—223.

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Ogilvie, Alexander, and B. Laurence, to Laporte Chemicals Ltd. Manufacture of hydrogen peroxide. 3,323,868, 6–6–67, Cl. 23—207.

Ogilvie, Douglas A., to Pierce Auto Body Works, Inc. Apparatus for converting a pickup truck into a side compartmented utility service truck with flip-flop closures. 3,326,595, 6–20–67, Cl. 296—37.

Ogilvie, Frank R., to Boniard I. Brown. Door structure having torque tube. 3,308,580, 3–14–67, Cl. 49—206.

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Ogle, Claude B., Jr. Plow tail wheel. 3,305,024, 2–21–67, Cl. 172—212.

Ogle, Hugh M. A.-C. switch speed control system for A.-C. motors. 3,307,094, 2–28–67, Cl. 318—341.

Ogle, Ian S., and B. M. Smythe, to The Colonial Sugar Refining Co., Ltd. Fertilizer comprising a salt of a sugar phosphate ester. 3,356,482, 12–5–67, Cl. 71—11.

Ogle, James A., and W. S. Carter, Jr., to Burroughs Corp. High density network simulation apparatus. 3,324,457, 6–6–67, Cl. 340—172.5.

Ogle, James A., Jr., F. C. Hitzeroth, and R. A. Illa, to McGraw-Edison Co. Self-heated bimetal timer. 3,316,832, 5–2–67, Cl. 99—329.

Ogle, Robert W., to Functional Container Corp. (N.A.) Mixing syringe having separate compartments for incompatible medicaments. 3,303,846, 2–14–67, Cl. 128—218.

Ogle, Robert W., to Safti-Vial Corp. Vial. 3,321,098, 5–23–67, Cl. 215—37.

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Omietanski, George M., and W. G. Reid, to Union Carbide Corp. Acyloxy-containing siloxanes and process therefor. 3,346,610, 10–10–67, Cl. 260—448.8.
Omietanski, George M., and T. C. Williams, to Union Carbide Corp. Process for preparing cyclic organosiloxanes. 3,347,-895, 10–17–67, Cl. 260—448.2.
Omietanski, George M., and W. G. Reid, to Union Carbide Corp. Siloxane-oxyalkylene block copolymers and process therefor. 3,356,758, 12–5–67, Cl. 260—824.
Omietanski, George M., and T. C. Williams, to Union Carbide Corp. Process for preparing mixed cyclic organisiloxanes. 3,358,009, 12–12–67, Cl. 260—448.2.
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O'Neal, James E., and J. K. and C. W. Gunter, to Gunter & Cooke, Inc. Carding machine operating control means. 3,304,582, 2–21–67, Cl. 19—106.
O'Neal, James E., J. K. and C. W. Gunter, to Gunter & Cooke, Inc. Carding machine air control means. 3,357,062, 12–12–67, Cl. 19—107.
O'Neal, Larry. Inflatable dock seal. 3,303,615, 2–14–67, Cl. 52—2.
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O'Neill, Charles E., M. D. Head, and C. B. Goodrich, to The International Nickel Co., Inc. Method and apparatus for decomposing metal compounds. 3,323,903, 6–6–67, Cl. 75—.5.
O'Neill, Clifford F., and L. J. Corsaro, to General Electric Co. Electric incandescent projection lamp. 3,325,667, 6–13–67, Cl. 313—113.
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McCarter, Arthur W. 3,312,045.
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Openshaw, Harry T., and N. Whittaker, to Burroughs Wellcome & Co. (U.S.A.), Inc. Isomerization of benzo (a) quinolizine derivatives. 3,326,922, 6–20–67, Cl. 260—287.
Openshaw, Harry T., and N. Whittaker, to Burroughs Wellcome & Co. (U.S.A.) Inc. Preparation of homoveratrylamides. 3,337,558, 8–22–67, Cl. 260—287.
Openshaw, Harry T., and N. Whittaker, to Burroughs Wellcome & Co. (U.S.A.) Inc. Method for making benzo (*a*) quinolizine derivatives. 3,342,825, 9–19–67, Cl. 260—287.
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Opolsky, Vaclav, to Ceskoslovenska akademie ved. Diffusion vacuum pump. 3,355,094, 11–28–67, Cl. 230—101.
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Orain, Michel, to Societe Glaenzer Spicer Societe Anonyme. Grinding machine. 3,339,315, 9–5–67, Cl. 51—101.
Orain, Michel, to Societe Glaenzer Spicer Societe Anonyme. Universal ball joint. 3,357,207, 12–12–67, Cl. 64—8.
Oral, Jaroslav A. Traction device for motor vehicles. 3,349,861, 10–31–67, Cl. 180—9.54.
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Orkney, John C., Jr. and J. C. Apparatus for use in measuring the hydraulic efficiency of fluid machines, such as pumps. 3,350,934, 11–7–67, Cl. 73—168.
Orlacchio, Anthony W., to Gulton Industries, Inc. Accelerometer. 3,359,441, 12–19–67, Cl. 310—8.4.
Orlandi, Ciancarlo, to American Machine & Foundry Co. Method and apparatus for controlling the feed of shredded tobacco to a distributor connected to a plurality of cigarette-making machines. 3,319,772, 5–16–67, Cl. 198—110.
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Ormond, Alfred N. Universal flexure unit. 3,360,255, 12–26–67, Cl. 267—1.
Ormond, Martin M. Post card or similar device. 3,329,333, 7–4–67, Cl. 229—92.5.
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Osborn, Stephen W., E. Broderick, and J. L. Villa, to Thiokol Chemical Corp. Catalytic process for the preparation of vicinal episulfides. 3,347,867, 10–17–67, Cl. 260—327.
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Osborne, William E., to Olin Mathieson Chemical Corp. Power actuated tool. 3,297,224, 1–10–67, Cl. 227—10.
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O'Shea, Francis X., to United States Rubber Co. Bis[2-hydroxy-3-(alpha, alpha-dimethylbenzyl)-5-methyl phenyl] methane. 3,318,962, 5–9–67, Cl. 260—619.
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O'Shea, Francis X., to Uniroyal, Inc. Use of certain bis(3,5-substituted-4-hydroxybenzylthio) compounds as antioxidants. 3,330,804, 7–11–67, Cl. 260—45.95.
O'Shea, Francis X., to Uniroyal, Inc. Use of certain bis(hydroxy-alkylbenzylthio) compounds as antioxidants. 3,331,792, 7–18–67, Cl. 260—2.5.
O'Shea, Francis X., B. Von Schmeling, and M. D. Dudarevitch, to United States Rubber Co. Method of controlling bacteria and fungi. 3,301,748, 1–31–67, Cl. 167—30.
Oshima, Kazuo : *See*—
Tanaka, Katsunobu, Oshima, and Takayama. 3,335,065.
Oshima, Masaomi, to Oshima Musan Co., Ltd. High-frequency core device with relatively movable cores. 3,309,640, 3–14–67, Cl. 336—135.

Oshima Musan Co., Ltd. : *See*—
Oshima, Masaomi. 3,309,640.
Oshima, Ryoichiro : *See*—
Hasegawa, Elichi, and Oshima. 3,306,082.
Oshima, Shintaro. Thin film tape recorder. 3,354,447, 11–21–67, Cl. 340—174.1.
Oshima, Shintaro, H. Enomoto, S. Inoue, and Y. Koseki, to Kokusai Denshin Denwa Kabushiki Kaisha. Logical circuit using magnetic cores. 3,303,351, 2–7–67, Cl. 307—88.
Oshima, Shintaro, K. Futami, T. Fukui, T. Kamibayashi, and Y. Komazawa, to Kokusai Denshin Denwa Kabushiki Kaisha. Parametron element formed into a balanced circuit. 3,315,086, 4–18–67, Cl. 307—88.
Oshima, Shintaro, T. Kamibayashi, and K. Komuro, to Kokusai Denshin Denwa Kabushiki Kaisha (a/k/a Kokusai Denshin Denwa Co., Ltd.). Parametron element using conductive wire with ferromagnetic thin-film deposited thereon. 3,348,061, 10–17–67, Cl. 307—88.
Oshva, Eugene, to Burndy Corp. Ribbon cable connector. 3,355,699, 11–28–67, Cl. 339—99.
Osial, Thaddeus A. : *See*—
McAvoy, Bruce R., and Osial. 3,296,405.
Osinski, Alfred L. : *See*—
Kay, John G., and Osinski. 3,295,666.
Osipow, Lloyd I. : *See*—
Dudley, Elizabeth, and Osipow. 3,340,875.
Spitzer, Joseph G. 3,360,378.
Osipow, Lloyd I., F. J. Brashear, and W. Rosenblatt, said Osipow, and said Rosenblatt assors. to State of Nebraska, as represented by the Secretary of Agriculture and Inspection. Detergent compositions. 3,305,488, 2–21–67, Cl. 252—117.
Osipow, Lloyd I., F. J. Brashear, and W. Rosenblatt, to Fats and Protein Research Foundation, Inc. Ethers for use in lubricants and hydraulic fluids. 3,344,195, 9–26–67, Cl. 260—611.
Osman, Miklos, A. Novak, I. Csomor, L. Fernbach, and F. Mezei, to Csavararugyar. Method of producing shaped-head screws and tool for carrying out the method. 3,359,-580, 12–26–67, Cl. 10—2.
Osmon, Frank O. K., Jr., to E. I. du Pont de Nemours and Co. Extrusion coating with linear polypropylene and branch polyethylene blend. 3,340,123, 9–5–67, Cl. 156—244.
Osmond, Desmond W. J. : *See*—
Cousens, Richard H., Osmond, and Solomon. 3,298,890.
Cousens, Richard H., Osmond, and Solomon. 3,298,990.
Osmond, Desmond W. J., to Imperial Chemical Industries, Ltd. Polymeric dispersion stabilizers for dispersions of synthetic polymers in organic liquids. 3,317,635, 5–2–67, Cl. 260—881.
Osmond, Desmond W. J., E. S. G. Simpson, and M. J. Waghorn, to Imperial Chemical Industries Ltd. Coating compositions of polymer dispersions in mixtures of high boiling and low boiling liquids. 3,331,801, 7–18–67, Cl. 260—31.2.
Osmose Wood Preserving Co. of America, Inc. : *See*—
Cravens, DuVal, and McGuire. 3,307,362.
Cravens, Du Val, and Philippbar. 3,331,211.
Ospett, Gustav : *See*—
Vogt, Alfred. 3,353,582.
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Ostapiak, Daria M. : *See*—
Port, William S., and Ostapiak. 3,305,564.
Ostberg, Werner, to Dundee Cement Co. Device for removing clinker from thermocouple probe. 3,322,416, 5–30–67, Cl. 263—33.
Ostborg, Jan N., and R. B. Lurski, to Club Aluminum Products Co. Nesting accessory. 3,358,878, 12–19–67, Cl. 220—97.
Osteen, Mitchell M., to General Electric Co. Method of producing an ultraviolet resistant polycarbonate article. 3,309,220, 3–14–67, Cl. 117—33.3.
Ostendorf, Carl J. : *See*—
Hazelton, Merrill, Griesheimer, and Ostendorf. Re. 26,236.
Ostensen, Ralph G., to SCM Corp. Duplicating apparatus. 3,322,031, 5–30–67, Cl. 88—24.
Ostensen, Ralph G., to SCM Corp. Electrostatic printing and developing apparatus. 3,345,925, 10–10–67, Cl. 95—1.7.
Ostensen, Ralph G., to SCM Corp. Sheet feed apparatus. 3,352,-218, 11–14–67, Cl. 95—1.7.
Oster, Bernd : *See*—
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Oster, Felix, to Societe de Produits Chimiques d'Auby. Anticaking agent. 3,305,491, 2–21–67, Cl. 252—384.
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Edwards, Margaret M. 3,299,226.
Hubrich, Frederick M. 3,307,255.
Menzel, Conrad T. 3,355,151.
Rogers, Samuel E., Fuchs, and Frost. 3,330,048.
Oster, Thomas H., to Ford Motor Co. Internal combustion engine starting system. 3,303,834, 2–14–67, Cl. 123—179.
Oster, Thomas H. Subaqueous mining. 3,343,877, 9–26–67, Cl. 299—9.
Oster, Werner. Automatic punching machine. 3,343,437, 9–26–67, Cl. 83—533.
Osteraas, A. Jean : *See*—
Olsen, Douglas A., and Osteraas. 3,344,670.
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Osterloh, Anthony G. : *See*—
Sommer, William F., Kneisley, and Osterloh. 3,317,711.
Osterlund, Henry H. : *See*—
Hendrickson, Jay D., and Osterlund. 3,299,467.
Osterman, James W., to Filters, Inc. Filter and coalescer element. 3,352,423, 11–14–67, Cl. 210—496.
Ostermann, Alvin C. : *See*—
Ostermann, Milton D. and A. C. 3,322,354.
Ostermann, Martin : *See*—
Wesch, Ludwig, and Ostermann. 3,315,578.
Ostermann, Max, to W. & M. Ostermann. Carrier for braiding machines. 3,359,848, 12–26–67, Cl. 87—56.
Ostermann, Milton D. and A. C. Aggregate processing plant. 3,322,354, 5–30–67, Cl. 241—81.
Ostermeier, Heinrich : *See*—
Weidanz, Herbert, and Ostermeier. 3,343,642.
Osterreichisch-Amerikanische Magnesit Aktiengesellschaft : *See*—
Leitner, Karl, Mlaker, Moll, and Skalla. 3,352,702.
Leopold, Friedrich. 3,329,515.
Osterreichische Stickstoffwerke Aktiengesellschaft : *See*—
Müller, Walter, and Weinrotter. 3,324,168.
Obendorf, Werner, and Stormann-Menninger. 3,334,134.
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Stormann-Menninger-Lerchenthal, Heimo, Kloimstein, and Schonbeck. 3,312,701.
Weinrotter, Ferdinand, Muller, Schmidt, Bohler, and Schweighofer. 3,310,559.
Wismayr, Karl, Schmid, Kilches, and Zolss. 3,340,298.
Osterreichische Studiengesellschaft fur Atomenergie G.m.b.H. : *See*—
Grumm, Hans, Jauk, and Schwarz. 3,297,538.
Higatsberger, Michael J. 3,350,274.
Osterstrom, Gordon E., to The Welch Scientific Co. Shaft seal with cooling means. 3,332,610, 7–25–67, Cl. 230—116.
Osterwalder, Jean P. F., to Vega Precision Laboratories, Inc. Self-starting synchronous motor. 3,330,975, 7–11–67, Cl. 310—164.
Ostholm, John I. G. : *See*—
Fryklof, Sandell, and Ostholm. 3,317,394.
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Ostrander, Robert F. 3,345,865.
Ostrander, Albert A., deceased, by M. D. Ostrander, administrator, R. E. Hart, A. L. Gutierrez, and E. C. Reder. Inflated roof. 3,338,000, 8–29–67, Cl. 52—2.
Ostrander, George W., W. W. Pendleton, to Anaconda Wire and Cable Co. Porous-refractory encapsulant for coils and coil encapsulated therewith. 3,308,414, 3–7–67, Cl. 336—205.
Ostrander, Kenneth A. : *See*—
Foster, George B., and Ostrander. 3,353,098.
Ostrander, Marian D. : *See*—
Ostrander, Albert A., M. D., Hart, Gutierrez, and Reder. 3,338,000.
Ostrander, Robert F., to Ostradyne, Inc. Vehicle testing device. 3,345,865, 10–10–67, Cl. 73—117.
Ostrander, Walter M., and S. N. Sutherland, to Consolidated Electronics Industries Corp. Rotary stepper switch. 3,358,-251, 12–12–67, Cl. 335—122.
Ostrander, William S., to Carrier Corp. Heating and cooling apparatus and method. 3,322,188, 5–30–67, Cl. 165—2.
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Ostrin, Albert. Rotary incinerator. 3,320,908, 5–23–67, Cl. 110—14.
Ostroff, Arthur, and M. D'Agostino, to Radio Corp. of America. Voltage reference circuit. 3,310,731, 3–21–67, Cl. 323—4.
Ostrofsky, Bernard, and C. B. Parrish, Jr., to Standard Oil Co. Heat exchanger and cleaning means therefor. 3,295,-596, 1–3–67, Cl. 165—84.
Ostrofsky, Bernard, and J. N. Bergman, to Standard Oil Co. Transducer holder. 3,315,521, 4–25–67, Cl. 73—71.5.
Oström, Gustav B. : *See*—
Johansson, Lars O. E., and Oström. 3,300,067.
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Ostrow, Barnet D., and F. I. Nobel. Nickel electroplating bath with additives. 3,305,461, 2–21–67, Cl. 204—49.
Ostrow, Barnet D., and F. I. Nobel. Acid nickel electroplating bath. 3,305,462, 2–21–67, Cl. 204—49.
Ostrow, Barnet D., and F. I. Nobel, to Elechern Corp. Copper cyanide electroplating bath. 3,309,293, 3–14–67, Cl. 204—52.
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Ostrowicz, Joel. Aminoplast molding compounds containing zinc sulfite. 3,320,192, 5–16–67, Cl. 260—17.3.
Ostrowski, Henry J., to Domtar Ltd. Tear tester. 3,319,462, 5–16–67, Cl. 73—96.
Ostrowski, Joseph B., to Olin Mathieson Chemical Corp. Pencil ferrule. 3,344,464, 10–3–67, Cl. 16—108.

Ostrowsky, Efrem M.: *See*—
Kastamo, James L., Means, Barr, Ostrowsky, and Best. 3,343,719.

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Botterill, John R., Ostwald, Press, and Knapp. 3,302,-755.

Ostwald, Fritz, F. Beuchle, and D. Yarga, to Alfred Teves Maschinen- und Armaturenfabrik KG. Gas-cushion assembly for vehicular suspension systems. 3,311,386, 3–28–67, Cl. 280—6.

Ostwald, Henry, to Dominion Tar & Chemical Co., Ltd. Container closure. 3,319,869, 5–16–67, Cl. 229—39.

Osty, Richard J., and V. M. Morie. Portable drum kit. 3,326,-074, 6–20–67, Cl. 84—411.

O'Sullivan, Bryan J., and R. R. Smyth, to Technical Operations Inc. A.C. power system having D.C. driven standby power supply. 3,351,770, 11–7–67, Cl. 307—64.

O'Sullivan, George A., to Consolidated Controls Corp. Resistance thermometer system. 3,299,709, 1–24–67, Cl. 73—362.

O'Sullivan, James P.: *See*—
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O'Sullivan, Thomas F., J. Kramer, K. Buschmann, H. Meyer, and A. Schweitzer, to The Lummus Co. Cooler inlet device. 3,357,485, 12–12–67, Cl. 165—174.

Osumi, Shinzo: *See*—
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Oswald, Alexis A.: *See*—
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Oswald, Alexis A., and K. Griesbaum, to Esso Research and Engineering Co. Dialkyldithiophosphoric acid esters. 3,340,-332, 9–5–67, Cl. 260—956.

Oswald, Anthony J.: *See*—
Jenkins, Herbert A. H., and Oswald. 3,338,755.

Oswald, Anton, to General Precision, Inc. Method of making a printed circuit board. 3,319,319, 5–16–67, Cl. 29—155.5.

Oswald, Anton H., to Bright Star Industries, Inc. Method and apparatus for manufacture of dry cells. 3,316,127, 4–25–67, Cl. 136—175.

Oswald, Hendrikus J.: *See*—
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Oswald, Hendrikus J., and E. Turi, to Allied Chemical Corp. Stabilized halogen-containing olefin polymer compositions and melamine pyrophosphate stabilizers therefor. 3,331,808, 7–18–67, Cl. 260—45.8.

Oswald, Norman D.: *See*—
Moore, Bobby G., and Oswald. 3,302,014.

Oswald, Robert A. Film magazine. 3,295,427, 1–3–67, Cl. 95—12.

Oswalt Industries, Inc.: *See*—
Tarpley, Raymond M. 3,321,035.

Oswalt, J. B., Jr. Package and holder for light bulbs. 3,360,-123, 12–26–67, Cl. 206—65.

Osweiler, Paul L., to Price Bros. Co. Tapping saddle for prestressed concrete pipe. 3,338,601, 8–29–61, Cl. 285—197.

Oswin, Harry G., to Leesona Corp. Non-porous hydrogen diffusion fuel cell electrodes. 3,337,368, 8–22–67, Cl. 136—86.

Oswold, Oluf G., to Bausch & Lomb Inc. Scanning light spot projecter and coupled recording device for visual field testing. 3,317,268, 5–2–67, Cl. 351—30.

Ota, Kiyoshi: *See*—
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Otani, Takao, N. Muto, S. Miyakawa, K. Ito, and N. Uno, to Asahi Kogaku Kogyo Kabushiki Kaisha and Nippon Denki Kabushiki Kaisha. Camera shutter mechanism. 3,336,850, 8–22–67, Cl. 95—10.

Otehall Ltd.: *See*—
Beer, Donald C. 3,349,202.

Othmer, Donald F. Method for cooling volatile liquids. 3,306,346, 2–28–67, Cl. 165—1.

Othmer, Donald F. Process for the refining of sugar with two or more solvents. 3,325,308, 6–13–67, Cl. 127—63.

Othmer, Donald F. Method for producing pure water from sea water and other solutions by flash vaporization and condensation. 3,329,583, 7–4–67, Cl. 203—10.

Otis, Charles L., and B. J. Osak, to Chrysler Corp. Process for preparing sheet metal surfaces with dry lubricant coatings. 3,297,469, 1–10–67, Cl. 117—49.

Otis Elevator Co.: *See*—
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Connelly, Edward J., Martin, and Davis. 3,344,888.
Diamond, Lew H. 3,307,071.
Hudson, Edwin M. 3,311,995.
Kroepel, Carl J. 3,321,059.
Linsay, Michael. 3,321,044.
Margles, Samuel G. 3,315,777.
Mastroberte, Joseph. 3,327,811.
McNeeley, Daniel J. 3,338,335.
Prince, Arthur E., and Kaune. 3,328,756.
Schroeder, Joris T., and Otto. 3,353,650.
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Otis Engineering Corp.: *See*—
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Dollison, William W. 3,310,114.
Dollison, William W. 3,352,269.
Elliston, Thomas L. 3,330,357.
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Fredd, John V. 3,356,145.
Fredd, John V. 3,356,389.
Sizer, Phillip S., Cherry, and Wilhoit. Re. 26,149.
Taylor, Frank H. 3,297,083.
Young, Carter R. 3,330,360.
Young, Carter R., McAmis, and Foster. 3,326,292.

Otis, Fred, to Automated Building Components, Inc. Punch press. 3,314,271, 4–18–67, Cl. 72—325.

Otis, Louis F., and H. G. Daley. Tray for cleaning contact lenses. 3,337,047, 8–22–67, Cl. 206—72.

Otis, Marshall V.: *See*—
Hedberg, David G., Bloom, and Otis. 3,322,680.

Otis, Samuel S. Cabinet construction. 3,317,259, 5–2–67, Cl. 312—223.

Otoacustica Electronics, Ltd.: *See*—
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Ototani, Tohei, M. Maruyama, Y. Morooka, J. Matsumoto, S. Izumi, and K. Kashiwabara, to The Research Institute for Iron, Steel and Other Metals of the Tohoku University. Low oxygen-silicon base addition alloys for iron and steel refining. 3,304,174, 2–14–67, Cl. 75—122.

Otremba, Robert R., and G. C. Atteberry, to Nalco Chemical Co. Production of silica-alumina hydrogel-alumina hydrogel cracking catalysts. 3,355,396, 11–28–67, Cl. 252—440.

Otrhalek, Joseph V., to Wyandotte Chemicals Corp. Noncaking caustic soda. 3,301,636, 1–31–67, Cl. 23—184.

Otrhalek, Joseph V., to Wyandotte Chemicals Corp. Process for agglomerating anhydrous sodium metasilicate fines. 3,340,018, 9–5–67, Cl. 23—313.

Otstot, Roger S.: *See*—
Carter, Ernest P., and Otstot. 3,303,639.

Otsubo, Iwao, Y. Ura, S. Sato, M. Hayakawa, and K. Sakata, to Nissan Kagaku Kogyo Co., Ltd. Method for controlling nematodes with phosphorus compounds. 3,318,764, 5–9–67, Cl. 167—30.

Otsubo, Rynchi: *See*—
Fukushima, Osamu, Onishi, Otsubo, and Rayanami. 3,334,153.

Otsuka, Akira, to Asahi Kogaku Kogyo Kabushiki Kaisha. End fastener. 3,357,653, 12–12–67, Cl. 242—74.

Otsuka, Eiji, and T. Saida, to Toyo Koatsu Industries, Inc. Synthesis of urea. 3,303,215, 2–7–67, Cl. 260—555.

Otsuka, Eiji, S. Yoshimura, and K. Kanai, to Toyo Koatsu Industries, Inc. Synthesizing urea. 3,317,601, 5–2–67, Cl. 260—555.

Otsuka, Eiji, K. Kanai, and S. Inoue, to Toyo Koatsu Industries, Inc. Ammonia carbon dioxide recovery from urea synthesis utilizing an ejector. 3,357,901, 12–12–67, Cl. 203—78.

Otsuka, Hideo: *See*—
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Ott, Charles G.: *See*—
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Wilmanns, Frederick A., Ott, and Loucks. 3,327,412.

Ott, Edwin: *See*—
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Ott, Gustav: *See*—
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Ott, Hans: *See*—
Frey, Albert J., Galantay, and Ott. 3,296,252.
Frey, Albert J., and Ott. 3,335,134.
Hofmann, Albert, Frey, and Ott. 3,314,959.
Hofmann, Albert, Frey, and Ott. 3,336,311.

Ott, Hans, to Sandoz Inc. 6-amino-8,9-dihydro-136H-isoquindo-[2,1-C] quinazolines and intermediates therefor. 3,297,696, 1–10–67, Cl. 260—247.5.

Ott, Hans, to Sandoz Inc. Thieno-pyrido-benzodiazepin-ones. 3,334,086, 8–1–67, Cl. 260—239.3.

Ott, Hans, to Sandoz Inc. Thieno-pyrido-benzodiazepin-ones. 3,334,090, 8–1–67, Cl. 260—239.3.

Ott, Harry R.: *See*—
McKenna, William O., and Ott. 3,312,770.

Ott, Heinrich: *See*—
Ehrhart, Gustav, Lindner, and Ott. 3,330,858.
Ehrhart, Gustav, Lindner, and Ott. 3,345,361.

Ott, Karl: *See*—
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Ott, Karl-Heinz, K. Dinges, and K.-H. Knapp, to Farbenfabriken Bayer Aktiengesellschaft. Graft polymers and a process for the production of aqueous dispersions thereof. 3,321,430, 5–23–67, Cl. 260—29.6.

Ott, Owen J., to Data-Control Systems, Inc. Generator producing controlled-area output-pulses only when capacitor charges between positive and negative clamps in response to A.C. input. 3,320,434, 5–16–67, Cl. 307—88.5.

Ott, Thomas M.: *See*—
Rollins, Murray L., Ott, and Enzie. 3,302,817.

Ott, Wilh. F., Habra-Werk: *See*—
Reil, Wilhelm, and Schwarzwalder. 3,335,540.

Ott, William F., to McQuay-Norris Mfg. Co. Piston ring contraction device. 3,358,351, 12–19–67, Cl. 29—224.

Ottaviani, Quintino: *See*—
Caporali, Giorgio, Giordano, Ferlazzo, and Ottaviani. 3,347,899.

Ottawa Steel Products: *See*—
Vivian, Frank H. 3,352,374.

Ottaway, Gerald H., to International Business Machines Corp. Compact data lookup tables. 3,328,767, 6–27–67, Cl. 340—172.5.

Otteman, John H., and A. G. Hoffman. Capacitive discharge ignition system capable of multiple sparking at slow-engine speeds. 3,302,058, 1–31–67, Cl. 315—207.

Otteman, Lloyd G., to Shell Oil Co. Production wellhead assembly. 3,318,377, 5–9–67, Cl. 166—.6.

Otterlei, Jon L. Timer switch controlled by push button and motor operated cams. 3,325,609, 6–13–67, Cl. 200—38.

Ottersbach, Erwin, and P. Zimmermann, to Georg Fischer Aktiengesellschaft. Screw stock. 3,358,305, 12–19–67, Cl. 10—124.

Ottestad, Jack B., and G. J. Farrell, to U.S. Industries, Inc. High energy impact machines. 3,336,788, 8–22–67, Cl. 72—453.

Ottestad, Jack B., and G. J. Farrell, to U.S. Industries, Inc. Valves for use in piston driven machines. 3,359,867, 12–26–67, Cl. 91—422.

Ottman, Gerhard F.: *See*—
Kober, Ehrenfried H., Lederle, and Ottman. 3,304,350.
Rapaelian, Leo A., Ottman, and Hooks. 3,304,327.

Ottman, Gerhard F., and I. M. Voynick, to Olin Mathieson Chemical Corp. Process for basic aluminum salt of pyridimethione. 3,347,863, 10–17–67, Cl. 260—270.

Ottman, John B., to Claviol Inc. Combined shelf and color selector. 3,295,690, 1–3–67, Cl. 211—49.

Ottmann, Gerhard F., and H. Hooks, Jr., to Olin Mathieson Chemical Corp. S-[N'-(chlorocarbonyl)-amino] isothiocarbamyl chlorides and their preparation. 3,301,894, 1–31–67, Cl. 260—544.

Ottmann, Gerhard F., and H. Hooks, Jr., to Olin Mathieson Chemical Corp. N-alkylene guanidines. 3,324,112, 6–6–67, Cl. 260—239.

Ottmann, Gerhard F., and H. Hooks, Jr., to Olin Mathieson Chemical Corp. S-chloro-isothiocarbamyl chlorides and their preparation. 3,328,462, 6–27–67, Cl. 260—543.

Ottmann, Gerhard F., and H. Hooks, Jr., to Olin Mathieson Chemical Corp. S-(2-chloroethyl) isothiocarbamyl chlorides and process therefor. 3,356,726. 12–5–67, Cl. 260—566.

Otto, Anthony K., to King-Seeley Thermos Co. Oven temperature control with senser biasing winding. 3,313,484, 4–11–67, Cl. 236—68.

Otto, Artur, H.-J. Mischke, and F. Lippeck, to Beteiligungs- und Patentverwaltungs-Gesellschaft, mit beschrankter Haftung. Throat armour, adjustable as to its diameter for shaft furnaces, particularly for blast furnaces. 3,321,198, 5–23–67, Cl. 266—27.

Otto, Bruce M., to Standard Oil Co. Pour depressant for distillate fuels. 3,337,313, 8–22–67, Cl. 44—62.

Otto, Charles W., to General Electric Co. Methods for assembling end shield members in dynamoelectric machines. 3,320,660, 5–23–67, Cl. 29—155.5.

Otto, Charles W., to General Electric Co. Dynamoelectric machine electrical component mounting and lead securing arrangement. 3,350,586, 10–31–67, Cl. 310—71.

Otto, Dennis L., to The Timken Roller Bearing Co. Unitized dual lip seal. 3,341,264, 9–12–67, Cl. 308—187.1.

Otto, Ed A. Floor cleaning apparatus. 3,314,099, 4–18–67, Cl. 15—385.

Otto, Ferdinand P.: *See*—
Herd, Richard S., Koft, and Ferdinand. 3,350,310.

Otto, Ferdinand P., Jr., to Mobil Oil Corp. Lubricating oils containing alkylated phenoxy acid derivatives. 3,360,464, 12–26–67, Cl. 252—51.5.

Otto, Fritz: *See*—
Stephan, Siegfried, and Otto. 3,313,332.

Otto, Fritz, to A. Stephan & Soehne. Apparatus for comminuting meat or the like. 3,335,773, 8–15–67, Cl. 146—192.

Otto, Fritz. Kneading apparatus. 3,355,152, 11–28–67, Cl. 259—107.

Otto, George W., Jr.: *See*—
Craig, James R., and Otto. 3,325,643.

Otto, Gerhard A. K.: *See*—
Schroeder, Joris T., and Otto. 3,353,650.

Otto, Gunter: *See*—
Wustenhagen, Ernst, Gottling, Otto, and Roos. 3,307,-883.

Otto, Gunter. Hydropneumatic cylinder arrangement. 3,326,-546, 6–20–67, Cl. 267—64.

Otto, Hans: *See*—
Hofmann, Albert, Troxler, and Ott. 3,346,580.

Otto, Hansel, G.m.b.H.: *See*—
Lesch, Hans. 3,297,129.

Otto, Herbert R., Jr. Filter. 3,339,347, 9–5–67, Cl. 55—290.

Otto, Julian A.: *See*—
Farah, Basil S., Gilbert, and Otto. 3,355,500.
Farah, Basil S., Gilbert, and Otto. 3,356,485.
Gilbert, Everett E., Litt, and Otto. 3,324,185.
Gilbert, Everett E., and Otto. 3,340,310.
Gilbert, Everett E., and Otto. 3,358,012.
Newallis, Peter E., Lombardo, and Otto. 3,359,296.

Otto, Kenneth W: *See*—
Boyer, Nolan D., Otto, and Trehu. 3,327,031.

Otto, Klaus: *See*—
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Otto, Stanley W., to Hallmark Cards, Inc. Embossing apparatus. 3,302,558, 2–7–67, Cl. 101—23.

Otto, William B., and B. E. Cunningham, to International Business Machines Corp. Apparatus for reducing magnetic tape inter-record gap. 3,325,796, 6–13–67, Cl. 340—174.1.

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Mattson, Charles A., Ottosen, and Olsen. 3,341,235.

Ottosen, Frederick O., C. A. Mattson, and V. Laama, to Sunbeam Corp. Rotary electric lawn mower. 3,298,163, 1–17–67, Cl. 56—25.4.

Ottosen, Harriet: *See*—
Mattson, Charles A., Ottosen, and Olsen. 3,341,235.

Ottoson, Karl G., to United States of America, Army. Plastic explosive compositions. 3,321,341, 5–23–67, Cl. 149—19.

Ottosson, John E., to AB Broderna Ottosson & Co. Cabin-like protecting guard structure for tractors. 3,306,625, 2–28–67, Cl. 280—150.

Otzen, Christian: *See*—
Baur, Carl, and Otzen. 3,348,898.

Oudard, Albert, to Etablissements Merlin & Gerin, Societe Anonyme. Gate controlled electronic switch. 3,348,073, 10–17–67, Cl. 307—88.5.

Oudheusden, Albert J., Jr., and L. G. Adams, to Bethlehem Steel Corp. Prefabricated bridge deck unit. 3,302,361. 2–7–67, Cl. 52—618.

Ouimet, Emil R., to Shoe Tech Inc. Rib-applying machine. 3,300,800, 1–31–67, Cl. 12—20.

Ouimet, Emil R. Golf club mitten and method of making the same. 3,303,865, 2–14–67, Cl. 150—52.

Oulton, Thomas D., to United States of America, Atomic Energy Commission. Synthetic swelling lithium aluminum silicate hydrate product. 3,302,995, 2–7–67, Cl. 23—111.

Ourgaud, Janine: *See*—
Bapseres, Pierre, Audouza, Signouret, and Ourgaud. 3,326,982.

Oury, Alice M.: *See*—
Oury, John F., and A. M. and R. F. 3,343,651.

Oury Engineering Co.: *See*—
Oury, John F., and A. M. and R. F. 3,343,651.

Oury, John F., deceased (by A. M. Oury, and R. F. Oury). Method of and apparatus for transporting concrete. Re. 26,298. 11–21–67, Cl. 198—92.

Oury, John F., deceased (by A. M. Oury, acting as executor), and R. F. Oury, to Oury Engineering Co. Apparatus for distributing concrete mix. 3,343,651, 9–26–67, Cl. 198—118.

Oury, Ralph M., 25% to M. C. Thompson. Concrete form systems and hardware useful therewith. 3,327,986, 6–27–67, Cl. 249—45.

Oury, Robert F.: *See*—
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Oury, John F., and A. M. and R. F. 3,343,651.

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Watkins, Lucius D. 3,298,336.
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Outwater, Eric B., to International Paper Co. Package of milk cartons and the process of making the package. 3,313,406, 4–11–67, Cl. 206—65.

Outwater, Eric B., to International Paper Co. Reclosable carton. 3,353,740, 11–21–67, Cl. 229—51.

Oval Gear Engineering Co., Ltd.: *See*—
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Ovalstrapping Ltd.: *See*—
Embree, Harold K. Re. 26,307.

Ovchinnikov, Alexandr N.: *See*—
Ioanesyan, Jury R., Ioannesyan R., and Ovchinnikov. 3,356,338.

Ovens, Stanley F., and G. H. Ellis, to S. Smith & Sons (England) Ltd. Echo-sounding apparatus for examining strata below the sea-bed with variable gain means responsive to sea-bed echoes. 3,346,839, 10–10–67, Cl. 340—7.

Over, Raymond E., to M. H. Detrick Co. Refractory lining for conical portion of a furnace and brick therefor. 3,350,085, 10–31–67, Cl. 266—43.

Over, William R., to AMP Inc. Crimping tool. 3,328,871, 7–4–67, Cl. 29—203.
Overbaugh, Joseph C., to The Hale Co. Butterfly valve. 3,314,641, 4–18–67, Cl. 251—148.
Overbaugh, Joseph C., to The Hale Co. Lockable valve handle. 3,329,394. 7–4–67, Cl. 251—99.
Overby, Theodore A. Gate assembly. 3,298,134, 1–17–67, Cl. 49—394.
Overby, Theodore A. Land measuring device. 3,354,551, 11–28–67, Cl. 33—148.
Overesch, Joseph E. Hinge for carrying electric circuits. 3,355,695, 11–28–67, Cl. 339—4.
Overfield, Russell K. Oil fired household garbage incinerator. 3,334,598, 8–8–67, Cl. 110—18.
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Crosswell, Flay D. 3,339,619.
Crosswell, Flay D., and Binns. 3,352,585.
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Wehe, Herbert W., Jr. 3,319,738.
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Overly, William F., and Frost. 3,359,648.
Overman, Ernest H., Jr., and J. M. Calvert, to Aerotronics Engineering, Inc. Aircraft compass system circuit control junction box. 3,306,558, 2–28–67, Cl. 244—77.
Overmars, Henricus G. J., to International Lead Zinc Research Organization, Inc. Production of polyurethane foams using arylleadtriester catalysts. 3,324,054, 6–6–67, Cl. 260—2.5.
Overment, Alfred P. H. Urinary drainage apparatus. 3,312,-221, 4–4–67, Cl. 128—275.
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Overton, Charles F., and L. J. Nook, to S. E. Overton Co. Easel. 3,360,227, 12–26–67, Cl. 248—463.
Overton, Glen. Drying cylinder. 3,308,554, 3–14–67, Cl. 34—124.
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Oville, Eugene E., to Matisa Material Industriel S.A. Device for displacing railway tracks. 3,338,174, 8–29–67, Cl. 104—8.
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Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Square wave generator employing symmetrical, junctionless threshold-semiconductor and capacitor in series circuit devoid of current limiting impedances. 3,327,137, 6–20–67, Cl. 307—88.5.
Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Analog-to-digital converter employing semiconductor threshold device and differentiator circuit. 3,327,302, 6–20–67, Cl. 340—347.
Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Control system having multiple electrode current controlling device. 3,336,486, 8–15–67, Cl. 307—88.5.
Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Alternating current phase control circuit. 3,340,405, 9–5–67, Cl. 307—88.5.
Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Heat responsive control system. 3,343,004, 9–19–67, Cl. 307—88.5.
Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Moisture responsive control system. 3,343,075, 9–19–67, Cl. 323—94.
Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Pressure responsive control system. 3,343,076, 9–19–67, Cl. 323—95.
Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Overvoltage protection of A.C. measuring devices. 3,343,085, 9–19–67, Cl. 324—110.
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Owen, Bernard D., S. W. Smith, and A. H. B. Swan, to The British Oxygen Co. Ltd. Profile cutting machine. 3,351,333, 11–7–67, Cl. 266—23.
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Owen, Carlton N.: *See*—
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Owen, Charles A. Ground covering for athletic and playing areas. 3,334,556, 8–8–67, Cl. 94—7.
Owen, Charles A., and J. Isaacson, to Research Corp. Automatic prothrombin timer apparatus and method. 3,307,-392, 3–7–67, Cl. 73—64.1.
Owen, Charles D., to Beacon Mfg. Co. Stitched and needled non-woven fabric. 3,337,387, 8–22–67, Cl. 161—50.
Owen, Charles E., to International Business Machines Corp. Analog sample and hold circuit. 3,351,837, 11–7–67, Cl. 320—1.
Owen, Charles J. Method of making a thin-film electronic component. 3,341,363, 9–12–67, Cl. 117—227.
Owen, Dale R., deceased; R. F. Fry, tutor of L., T., and K. Owen, minor children. Drill collar stabilizer. 3,318,398, 5–9–67, Cl. 175—323.
Owen, Frederick C. Shell type welding transformer. 3,316,-481, 4–25–67, Cl. 323—6.
Owen, George E., Jr., to Motorola, Inc. Sound reproduction apparatus. 3,340,956, 9–12–67, Cl. 181—31.
Owen, George E., Jr., and C. F. Race, to Motorola, Inc. Phonograph tone arm apparatus. 3,328,035, 6–27–67, Cl. 274—23.
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Owen, John B. and H. Sagar, to Imperial Chemical Industries, Ltd. Treatment of shaped articles with a sulphonium compound and a reactive polymeric substance. 3,309,-223, 3–14–67, Cl. 117—139.5.
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Owen, Dale R. 3,318,398.
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Owen, Richard, to Minnesota Mining and Mfg. Co. Copying of graphic originals. 3,315,598, 4–25–67, Cl. 101—149.2.
Owen, Richard, to Minnesota Mining and Mfg. Co. Copy-paper. 3,328,167, 6–27–67, Cl. 96—67.
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Owen, Ronald C., to Continental Can Co., Inc. Closure with a molded ring gasket. 3,360,148, 12–26–67, Cl. 215—40.
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Owen, Trevor W. Automatic envelope opener with means to jog envelope to shift contents. 3,301,116, 1–31–67, Cl. 83—408.
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Hullhorst, William B. 3,346,128.
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Smock, George E., and Fulk. 3,295,942.
Smucker, Clayton A., Rigby, Klein, and Palmer. 3,356,-565.
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Sonneborn, Ralph H., and De Toledo. 3,337,674.
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Owens, Horace E., to Her Majesty Underwear Co. Automatic thread cutting mechanism for button sewing machines. 3,357,387, 12–12–67, Cl. 112—252.

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Bauman, Francis E., and Costill. 3,318,180.
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Bayer, Gerhard. 3,309,169.
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Biglin, Duane O. 3,339,792.
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Bishop, Frederic L. 3,359,125.
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Booher, Richard B. 3,307,477.
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Brookover, George B., and Hudecek. 3,345,218.
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Carl, David G., and Steigelman. 3,323,889.
Chari, Nallan C. S., and Scarvelis. 3,357,841.
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De Shetler, Leo C., and Mumford. 3,314,775.
Dierksheide, Dale H., and Trudeau. 3,324,986.
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Gjesdal, Olov. 3,343,977.
Guzman, Hector E., and Keefer. 3,349,791.
Hafferkamp, Harry C. 3,305,342.
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Hagedorn, Erwin C., and Hall. 3,351,475.
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Pallach, Walter, and W. Thiele, to Hauni-Werke Korber & Co., K.G. Device for conveying the wrapper in cigar manufacture. 3,340,878, 9–12–67, Cl. 131—105.
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Pannier, Karl A., Jr.: *See*—
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Pannier, Ralph A., to The Pannier Corp. Electrostatic code printing or etching means. 3,339,484, 9–5–67, Cl. 101—219.

Pannill, James K., Jr., and R. C. Yantz, to Eastman Kodak Co. Process and apparatus for blooming tow. 3,297,506, 1–10–67, Cl. 156—152.

Pannill, James K., Jr., and P. Gallagher, to Eastman Kodak Co. Method for blooming tow. 3,340,576, 9–12–67, Cl. 19—65.

Pannullo, Hugo E., H. C. Neville, and H. C., Jr., to Supradur Plastics Corp. Architectural siding. 3,319,390, 5–16–67, Cl. 52—309.

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Pansing, Nelson J., to General Motors Corp. Energy distribution detector for microwave oven. 3,316,380, 4–25–67, Cl. 219—10.55.

Pansini, Andrew L., and H. M. Arneson. Leaf receiver for swimming pools. 3,321,080, 5–23–67, Cl. 210—163.

Pansy, Felix E., A. Aszalos, and R. S. Robison, to E. R. Squibb & Sons, Inc. Rubiflavin and a process for making and using streptomyces griseus. 3,314,853, 4–18–67, Cl. 167—65.

Pantages, Rodney A., to Well Sentry, Inc. System responsive to well pumping loads. 3,359,791, 12–26–67, Cl. 73—151.

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Panzica, Nicholas J., E. Umbricht, and R. M. Jamison, to Ajem Laboratories, Inc. Gas washing apparatus. 3,328,009, 6–27–67, Cl. 261—29.

Paolantonio, Alfonso F., to Colonial Knife Co., Inc. Combined pocket knife and rod handle. 3,312,989, 4–11–67, Cl. 7—11.

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Moiso, Ugo, and Papa. 3,309,354.

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Papageorges, Demetre, to Etablissements Theodore Houben Societe Anonyme. Method of splicing belt ends in forming an endless belt. 3,342,656, 9–19–67, Cl. 156—159.

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Papayannopoulos, Ioannis. Lexicon indexing machine. 3,-302,513, 2–7–67, Cl. 88—24.

Papazian, Martin S. Automobile wheel alignment apparatus. 3,309,776, 3–21–67, Cl. 33—203.14.

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Papell, Solomon S., and R. W. Graham, to United States of America, National Aeronautics and Space Administration. Liquid storage tank venting device for zero gravity environment. 3,295,545, 1–3–67, Cl. 137—197.

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Papesch, Viktor, to G. D. Searle & Co. 7-ureido-2,4-dioxo-1,2,3,4,5,6-hexahydropyrido[2,3-d]-pyrimidines. 3,296,447, 1–3–67, Cl. 260—256.4.

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Papini, Henry. Bleaching cottons by aqueous solutions of urea peroxide. 3,350,161, 10–31–67, Cl. 8—111.

Papke, Friedrich, to Voigtlander A.G. Projector adapted to be used with machine tools. 3,324,763, 6–13–67, Cl. 8—24.
Papp, George, to International Telephone and Telegraph Corp. Radiation detection system. 3,318,650, 5–9–67, Cl. 350—6.
Papp, Grace P., and S. A. Buckler, to American Cyanamid Co. Carbamoyl phosphines. 3,314,993, 4–18–67, Cl. 260—557.
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Pappo, Raphael, to G. D. Searle & Co. Process and intermediates for manufacture of 16-oxa steroids. 3,309,383, 3–14–67, Cl. 260—343.3.
Pappo, Raphael, to G. D. Searle & Co. Process and intermediates for manufacture of 19-norsteroids. 3,318,907, 5–9–67, Cl. 260—326.5.
Pappo, Raphael, to G. D. Searle & Co. 6-(substituted-amino)-1-tetralones. 3,322,760, 5–30–67, Cl. 260—247.7.
Pappo, Raphael, to G. D. Searle & Co. 3-(optionally substituted)amino-estra-1,3,5(10),8(9),14-pentane-17-ones and derivatives thereof. 3,325,481, 6–13–67, Cl. 260—239.5.
Pappo, Raphael, to G. D. Searle & Co. 2-alkyl-2-(optionally-substituted) amino-1-naphthyliden ethyl-cyclopentane-1-3-diones, 3-(optionally-substituted) amino-14-hydroxyestra-tetraen-17-ones corresponding and derivatives thereof. 3,337,542, 8–22–67, Cl. 260—240.
Pappo, Raphael, and M. G. Scaros, to G. D. Searle & Co. (Optionally 17-alkylated)-3-oxa-5α-androstan-17β-ols, esters corresponding and intermediates thereto. 3,359,282, 12–19–67, Cl. 260—345.2.
Papst, Hermann. Electric motor and bearing support. 3,307,057, 2–28–67, Cl. 310—90.
Papst, Hermann. Boundary layer control. 3,319,593, 5–16–67, Cl. 114—67.
Papst, Hermann. Refrigerator with transformer means. 3,330,131, 7–11–67, Cl. 62—455.
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Papst, Hermann. Boundary layer control. 3,346,235, 10–10–67, Cl. 253—39.15.
Papst, Hermann. Boundary layer control. 3,348,622, 10–24–67, Cl. 180—54.
Papst, Hermann. Quiet-running electric motor. 3,353,046, 11–14–67, Cl. 310—214.
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Paquet, Jean L., to Aluminium Laboratories Ltd. Treating of electrolytic aluminum reduction cell gases to recover fluorine values. 3,322,659, 5–30–67, Cl. 204—67.
Paquette, Cyril D., to Taylor & Gaskin, Inc. Automobile frame stacker. 3,310,183, 3–21–67, Cl. 214—6.
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Paquette, Leo A., to The Upjohn Co. 2-tertiary aminoalkyl-2-azabicyclo[3.2.2]-6-nonenes and process for their preparation. 3,303,194, 2–7–67, Cl. 260—247.2.
Paquette, Leo A., to The Upjohn Co. 1-substituted-2-(aminooxymethyl) benzimidazoles and the corresponding 2-alkylideneaminooxymethyl intermediates therefor. 3,313,824, 4–11–67, Cl. 260—309.2.
Paquette, Leo A., to The Upjohn Co. Bis(2-aminooxyethyl) sulfones. 3,316,299, 4–25–67, Cl. 260—583.
Paquette, Leo A., to The Upjohn Co. 5-(-2-aminooxyethyl)-10,11 - dihydro-5H-dibenz[b,f]azepines. 3,317,515, 5–2–67, Cl. 260—239.
Paquette, Leo A., to The Upjohn Co. Diazatricyclododecanes and their preparation. 3,318,899, 5–9–67, Cl. 260—293.
Paquette, Leo A., to The Upjohn Co. Certain 3-dimethylamino-octahydroazocine compounds and their preparation. 3,320,238, 5–16–67, Cl. 260—239.
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Paquette, Leo A., to The Upjohn Co. Diazatricyclododecanes and their preparation. 3,321,482, 5–23–67, Cl. 260—293.
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Stoner, Arthur M., Paquin, and Schneider. 3,302,427.
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Carnevale, Edmund H., and Lynnworth. 3,354,699.
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Paramore, Betty I. Backless brassiere. 3,306,299, 2–28–67, Cl. 128—505.
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Parcells, Alan J., to The Upjohn Co. Placental lactogenic factor process. 3,310,471, 3–21–67, Cl. 167—74.
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Parilla, Arthur R. Cooling techniques for high temperature engines and other components. 3,305,178, 2–21–67, Cl. 239—132.5.
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Paris, Lawrence. Dental root canal filling point. 3,318,000, 5–9–67, Cl. 32—15.
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Parisot, Gerard, to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Process for production of hydrofluoric acid from sulphuric acid, fluorspar and anhydrite. 3,300,279, 1–24–67, Cl. 23—153.
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Park, Donald M., to Dur-Ral Electronics Co., Inc. Photocell actuated current control circuit. 3,307,076, 2–28–67, Cl. 317—49.
Park, Donald M., to Park-Baker Electronic Development Corp. Tone sustaining system for electric musical instrument. 3,309,453, 3–14–67, Cl. 84—1.13.
Park, Donald M., to The Seeburg Corp. Cow bell instrument. 3,325,578, 6–13–67, Cl. 84—1.01.
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Park, Herbert W., Sr. and H. W. Park. Athletic shoe with integral flexible ankle support. 3,327,410, 6–27–67, Cl. 36—2.5.
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Park, Robert H. Method of making plastic containers. 3,345,-227, 10–3–67, Cl. 156—86.
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Park, William R. R.: *See*—
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Elslager, Edward F., and Worth. 3,325,522.
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Pedretti, Giovanni, to Montecatini Edison S.p.A. Vulcanizable compositions comprising olefinic polymers and vulcanizates obtained therefrom. 3,317,454, 5–2–67, Cl. 260—33.4.
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Peeler, Donald H., and W. H. Payne, to Payne & Associates, Inc. Inflatable life jacket. 3,345,657, 10–10–67, Cl. 9—316.
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Peene, Guido, to Trefileries Leon Bekaert, SpRL. Cord composed of filaments or strands of different diameters. 3,358,-435, 12–19–67, Cl. 57—145.
Peeples, Denny L., and G. E. Kellogg, to General Motors Corp. Ball check valve having particular spring means. 3,343,564, 9–26–67, Cl. 137—539.
Peeples, Maurice E. Golf putting cup with random-direction ball ejection means. 3,310,311, 3–21–67, Cl. 273—179.
Peeples, Maurice E. Device for randomly ejecting articles. 3,310,312, 3–21–67, Cl. 273—179.
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Peffer, John J. Automatic screw machine tube stock extension means. 3,360,276, 12–26–67, Cl. 279—2.
Peffer, Raymond, to Etablissements Gérard Mang. Automatic electron time-switches. 3,349,293, 10–24–67, Cl. 317—142.
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Pekosh, Raymond J., to The Rauland Corp. Color tube processing apparatus. 3,343,198, 9–26–67, Cl. 15—306.
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Pekrul, Ewald, to Westinghouse Bremsen-und Apparatebau G.m.b.H. Automatic injection of anti-freezing solution. 3,302,862, 2–7–67, Cl. 230—1.
Pekrul, Ewald, to Westinghouse Bremsen-und Apparatebau G.m.b.H. Load-dependent empty-load valve. 3,302,982, 2–7–67, Cl. 303—60.
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Pellegrini, John P., Jr., and I. J. Spilners, to Gulf Research & Development Co. Triorganotin and lead derivatives of ferrocene. 3,350,434, 10–31–67, Cl. 260—429.7.
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Peras, Lucien, to Regie Nationale des Usines Renault. Antivibration elastic transmission devices. 3,321,988, 5–30–67, Cl. 74—411.

Peras, Lucien, to Regie Nationale des Usines Renault. Device for controlling engine throttle and clutch during gear changes. 3,323,621, 6–6–67, Cl. 192—.08.

Peras, Lucien, to Regie Nationale des Usines Renault. Fuel metering valve for internal combustion engines. 3,325,153, 6–13–67, Cl. 261—71.

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Peras, Lucien, to Regie Nationale des Usines Renault. Shaped pieces with stamped ribs and reinforced junction points. 3,328,935, 7–4–67, Cl. 52—630.

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Perlowski, Edward F., Jr., to General Electric Co. Projection system. 3,317,665, 5–2–67, Cl. 178—7.5.
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Perry, Gerald H., and E. W. Shallow, to National Research Development Corp. Magnetic stores preventing spurious triggering of transistor. 3,324,312, 6–6–67, Cl. 307—88.5.
Perry, Glen W.: *See*—
Clark, Bob R., and Perry. 3,351,356.
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Miller, Alfred H., Perry, and Wheat. 3,341,889.
Perry, Harry J., 10% to A. J. Perry. Chin actuated welding hood. 3,339,207, 9–5–67, Cl. 2—8.
Perry, Jack H., and R. L. Colling, to General Motors Corp. Electronic speed control system. 3,332,406, 7–25–67, Cl. 123—102.
Perry, James G. Anchor for sash balancer. 3,296,652, 1–10–67, Cl. 16—197.
Perry, James H., to Norton Co. Drainage control elements for paper machines. 3,352,749, 11–14–67, Cl. 162—352.
Perry, James T.: *See*—
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Perry, James W. Post driving and compacting machine. 3,302,731, 2–7–67, Cl. 173—112.
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Perry, John C.: *See*—
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Perry, John T., and C. J. Kawiecki, to Joslyn Mfg. and Supply Co. Magnetically biased vacuum relay. 3,312,803, 4–4–67, Cl. 200—144.
Perry, John T., and R. M. Cooney, to Dunlee Corp. Rectifier. 3,319,136, 5–9–67, Cl. 317—234.
Perry, Joseph F., 45% to W. L. Reardon. Auxiliary automobile wheel support. 3,295,894, 1–3–67, Cl. 301—38.
Perry, Joseph F., and K. A. Stevens. Onion peeler. 3,350,778, 11–7–67, Cl. 30—24.
Perry, Kenneth E., to Winfield Brooks Co., Inc. Oven cleaner and method of using the same. 3,335,092, 8–8–67, Cl. 252—158.
Perry, Kenneth E., to Geodyne Corp. Universal digital information system. 3,350,707, 10–31–67, Cl. 340—347.
Perry, Kenneth E., to Geodyne Corp. Stepping circuits for recording apparatus. 3,351,951, 11–7–67, Cl. 346—107.
Perry, Kenneth E., and P. F. Smith, to Geodyne Corp. Monitoring position-indicating recorder. 3,349,406, 10–24–67, Cl. 346—107.
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Perry, Lee D., to Robert B. Bishop, Inc. Tamper-proof meter enclosure. 3,355,945, 12–5–67, Cl. 73—201.
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Perry, Robert H., Jr., to Esso Research and Engineering Co. Maleic anhydride adduct with bicyclo (5:5.0) dodeca-1,6-diene. 3,326,909, 6–20–67, Cl. 260—346.3.
Perry, Robert H., Jr., and L. C. Jennings, to Esso Research and Engineering Co. Process for color improvement of β-vinyladipic acid. 3,359,311, 12–19–67, Cl. 260—537.
Perry, Robert O., and D. R. Holbert, to Sinclair Research Inc. Method for copolymerizing an alkylidene bisacrylamide and an ethylenic monomer employing radiation. 3,324,017, 6–6–67, Cl. 204—159.24.
Perry, Ronald A., to The Procter & Gamble Co. Ammoniated granular cleaner. 3,354,092, 11–21–67, Cl. 252—137.
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Perschy, James A., to United States of America, Navy. Bi-directional current steering switch. 3,296,604, 1–3–67, Cl. 340—174.
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Persson, Bo K. G., to Trelleborgs Gummifabriks Aktiebolag. Walls exposed to wear. 3,350,832, 11–7–67, Cl. 52—622.
Persson, Bror G. Resilient support for seats, especially for motor vehicles. 3,314,672, 4–18–67, Cl. 267—1.
Persson, Bror G. Resilient support for seats. 3,339,906, 9–5–67, Cl. 267—1.
Persson, Earl R., to Sprinter-Pack AB. Method of gluing cardboard boxes and box adapted to be glued in accordance with such method. 3,317,116, 5–2–67, Cl. 229—38.
Persson, Erland K., to Electro-Craft Corp. Motor speed control apparatus. 3,335,350, 8–8–67, Cl. 318—327.
Persson, Gustaf A. Gang saws. 3,322,170, 5–30–67, Cl. 143—81.
Persson, Karl G. S., P. H. Lindroth, and L. I. Hellner, to Aktiebolaget Bofos. Forgeable corrosion-resisting steel with high neutron-absorption capacity. 3,340,047, 9–5–67, Cl. 75—126.
Persson, Karl R., to Sprinter-Pack AB. Carton tray. 3,322,322, 5–30–67, Cl. 229—34.
Persson, Karl R., to Sprinter-Pack AB. Blank for making a cardboard box and box erected therefrom. 3,322,324, 5–30–67, Cl. 229—38.
Persson, Karl R., to Sprinter-Pack AB. Cardboard box and blank for making such box. 3,325,080, 6–13–67, Cl. 229—34.
Persson, Karl R., to Sprinter-Pack AB. Multi-cell trays. 3,351,261, 11–7–67, Cl. 229—28.
Persson, Sven E. Window construction. 3,310,927, 3–28–67, Cl. 52—656.
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Perttula, Harold V.: *See*—
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Newhall, Edmunde E., and Perucca. 3,328,780.
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Pescara, Raul P. Free piston engines. 3,347,215, 10–17–67, Cl. 123—46.
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Pesch, Edward T., and R. S. Vaughn, to Eastman Kodak Co. Color developers containing competing developing agents. 3,300,305, 1–24–67, Cl. 96—22.
Peschel, Stanley G. Apparatus for testing the insulation of electrically insulated wires including a plurality of conductive resilient elements supported between a pair of spaced rings for contacting the insulation of the wires under test. 3,310,735, 3–21–67, Cl. 324—54.
Peschke, Karl, Kapitalverwaltungs Karl Peschke m.b.H.: *See*—
Seeber, Fritz. 3,309,097.
Peschl, Erwin, A. Rataj, A. Danhel, J. Zmatlik, and Sedlecky, to Vyskumny Ustav Bavlnarsky. Quilting and knitting machine. 3,310,964, 3–28–67, Cl. 66—85.
Pesek, Vladimir, J. Elias, J. Holub, P. Celerin, and O. Rehurek, to Vyzkumny Ustav Bavlnarsky. Filament break detector. 3,315,047, 4–18–67, Cl. 200—61.18.
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Lemon, Peter H. R. B., and Peskett, 3,310,602.
Pesson, Andre, to Societe Rhodiaceta. Production of ω-lactams. 3,338,889, 8–29–67, Cl. 260—239.3.
Pesson, Marcel, to Roger Bellon Laboratoire. 1-Tertiary amino-3-phenyl-3-furfuryl-4-lower alkyl ketones. 3,299,059, 1–17–67, Cl. 260—247.7.
Pesson, Marcel, to Societe anonyme dite: Laboratoire Roger Bellon. 2-phenyl and cyclohexyl-2-cyano-2-tertiary amino lower alkyl acetamides. 3,310,555, 3–21–67, Cl. 260—246.
Pesson, Marcel, to Societe anonyme dite: Roger Bellon Laboratoire. Alpha phenyl-beta-(2-tetrahydrofuryl) alpha-tertiary amino alkyl propionitriles. 3,314,967, 4–18–67, Cl. 260—294.
Pesson, Marcel, to Laboratoire Roger Bellon. Substituted 2-pyrrylketones. 3,337,562, 8–22–67, Cl. 260—294.7.
Pestel, Paul, and J. Manderbach, to The Flintkote Co. Wall construction. 3,341,997, 9–19–67, Cl. 52—364.
Pestka, John A., to Warwick Electronics Inc. Inflatable packing insert. 3,346,101, 10–10–67, Cl. 206—46.
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Peter, Hans-Jurgen, and A. Mohra, to International Standard Electric Corp. Mounting plate and pull-out device. 3,303,394, 2–7–67, Cl. 317—101.
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Klemm, William F., and Alber. 3,335,748.
Peter, Julius: *See*—
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Peter, Julius, and W. Neumann, to Farbenfabriken Bayer Aktiengesellschaft. Stabilization of monoolefin polymers with carbodiimides. 3,297,795, 1–10–67, Cl. 260—897.
Peter, Siegfried: *See*—
Deicher, Oskar, Peter, and Buchholz. 3,334,469.
Peter, Siegfried, and O. Buchholz, to Gewerkschaft Elwerath. Method of preventing the depositing of sulfur in the riser pipes in producing natural gases laden with hydrogen sulfide and containing elemental sulfur in solution. 3,331,657, 7–18–67, Cl. 23—3.
Peterhans, Ernst, and F. Schiltknecht, to Lanza Ltd. Process for the improvement of the storage properties of urea. 3,299,133, 1–17–61, Cl. 260—555.
Petering, Wilbur H., and W. A. Callahan, to Detrex Chemical Industries, Inc. Composition and method of inhibiting corrosion of cupreous metals by amine-stabilized unsaturated chlorinated hydrocarbons. 3,359,209, 12–19–67, Cl. 252—153.
Peterkin, Melvin E., to Sun Oil Co. Hot melt adhesive comprising polypropylene and an aromatic hydrocarbon-aldehyde resin. 3,325,562, 6–13–67, Cl. 260—897.
Peterkin, Melvin E., to Sun Oil Co. Hot melt adhesive comprising polypropylene and a polyterpene. 3,341,626, 9–12–67, Cl. 260—897.

Peterkin, Melvin E., to Sun Oil Co. Hot melt adhesive having pressure sensitivity comprising atactic polypropylene, ethylene/vinyl acetate copolymer, and a polyterpene. 3,342,902, 9–19–67, Cl. 260—897.
Peterlein, Karl, to Gelsenberg Benzin Aktiengesellschaft. Process of purifying pyromellitic dianhydride. 3,338,923, 8–29–67, Cl. 260—346.3.
Peterlin, Henry. Training and walking leash. 3,311,088, 3–28–67, Cl. 119—109.
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Peterman, Robert J., and D. H. Leiker, Jr., to Imperial-Eastman Corp. Crimping apparatus. 3,335,594, 8–15–67, Cl. 72—308.
Petermann, Lucien, to Commissariat a l'Energie Atomique. Method for the manufacture of vacuum containers. 3,343,-999, 9–26–67, Cl. 148—16.5.
Peternel, Jacob R., to General Electric Co. Acceleration, speed and load control system with redundant control means. 3,340,883, 9–12–67, Cl. 137—26.
Peterpaul, Joseph: *See*—
Kobler, Richard, Whitlock, Babaoff, and Peterpaul. 3,343,-277.
Peters, Andrew P. Variable speed drive. 3,313,169, 4–11–67, Cl. 74—230.17.
Peters, Basil and L. B., to Fairey Engineering Ltd. Spherical stepped-index microwave luneberg lense. 3,321,765, 5–23–67, Cl. 343—911.
Peters, Beldon A.: *See*—
Carlton, Louis A., Rich, and Peters. 3,357,025.
Peters, Beldon A., to Esso Production Research Co. Apparatus for repairing pipe strings. 3,349,852, 10–31–67, Cl. 166—113.
Peters, Carl I., Jr. Protective circuit for electro-firing devices. 3,343,491, 9–26–67, Cl. 102—70.2.
Peters, Carl I., Jr. Radiation responsive device. 3,360,726, 12–26–67, Cl. 324—119.
Peters, Charles J., to Sylvania Electric Products Inc. Transmission line light modulator. 3,304,428, 2–14–67, Cl. 250—199.
Peters, Charles J., to Sylvania Electric Products, Inc. Transmission line light modulator. 3,313,938, 4–11–67, Cl. 250—199.
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Garrett, Henry U., Peters, and Dinning. 3,353,605.
Peters, Collette I.: *See*—
Peters, Myron J. and C. 3,336,638.
Peters, David L., to Hazeltine Research, Inc. Automatic electron beam focusing system. 3,356,792, 12–5–67, Cl. 178—7.2.
Peters, Don B.: *See*—
Brown, Omar L., and Peters. 3,349,949.
Peters, Donald L.: *See*—
Scott, John N., Jr., and Peters. 3,309,443.
Peters, Donald L., to Phillips Petroleum Co. Method and apparatus for blow molding hollow articles. 3,342,916, 9–19–67, Cl. 264—98.
Peters, Donald R., to General Motors Corp. Brake bleed and fill machine. 3,339,401, 9–5–67, Cl. 73—40.5.
Peters, Earl, and H. H. Kuhn, to Deering Milliken Research Corp. (Hydroxyethyl polyethyleneoxyamino) - phenylazo naphthalen-1,8-diols. 3,337,525, 8–22–67, Cl. 260—200.
Peters, Edwin F.: *See*—
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Shepard, John W., Peters, and Juveland. 3,352,795.
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Mnilk, Reinhold, and Peters. 3,324,551.
Peters, Fred, to United Shoe Machinery Corp. Eyelet type joints. 3,356,404, 12–5–67, Cl. 287—189.36.
Peters, Hans, to Reichhold Chemical, Inc. Catalytic reactor tube. 3,353,923, 11–21–67, Cl. 23—288.
Peters, Harlan J., and L. W. Bowling. Means for forming lines of weakness in cementitious floors, pavements and the like. 3,352,217, 11–14–67, Cl. 94—18.
Peters, Harold P., to Whirlpool Corp. Pan support structure. 3,331,646, 7–18–67, Cl. 312—270.
Peters, Harry E., to Varian Associates. Atomic maser with improved atomic flux intensity control. 3,296,552, 1–3–67, Cl. 331—94.
Peters, Heinrich: *See*—
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Peters, Heinrich, D. Schleede, and F. Schülde, to Hercules Inc. Compositions comprising polypropylene, ethylene-propylene copolymer, and aliphatic dicarboxylic acid diester. 3,325,437, 6–13–67, Cl. 260—31.8.
Peters, Hermann, to BOMAG Bopparder Maschinenbaugesellschaft m.b.H. Vibrating road roller. 3,309,972, 3–21–67, Cl. 94—50.
Peters, Howard M.: *See*—
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Clement, William H., Peters, and Selwitz. 3,318,969.
Clement, William H., Peters, and Selwitz. 3,322,844.
Peters, Johannes, to Bolkow Gesellschaft mit beschrankter Haftung. Passive magnetic proximity fuse. 3,308,760, 3–14–67, Cl. 102—70.2.
Peters, John K., to Burke Flexo-Products Co. Fish lures. 3,344,550, 10–3–67, Cl. 43—42.14.
Peters, John K., and B. A. McClellan, to Burke Flexo Products Co. Fishing lures and hook harnesses therefor. 3,344,-549, 10–3–67, Cl. 43—42.11.
Peters, John L. Ion source having both deflection and repeller electrodes for directing an electron stream. 3,296,481, 1–3–67, Cl. 313—230.
Peters, Lawrence B.: *See*—
Peters, Basil and L. B. 3,321,765.
Peters, Leo: *See*—
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Tenniswood, Howard J., and Peters. 3,308,635.
Peters, Leo. Butter pat packaging. 3,317,326, 5–2–67, Cl. 99—179.
Peters, Leonhard, to May-Pressenbau G.m.b.H. Press. 3,315,-596, 4–25–67, Cl. 100—282.
Peters, Leonhard, to May-Pressenbau G.m.b.H. Press apparatus. 3,347,158, 10–17–67, Cl. 100—269.
Peters, Lynn R., and G. F. Hennion, to Eli Lilly and Co. Process for dibenzo [A,D] cyclohepta [1.4] diene intermediates. 3,321,535, 5–23–67, Cl. 260—649.
Peters Machinery Co.: *See*—
Talbot, Richard C. 3,323,281.
Talbot, Richard C. 3,327,680.
Talbot, Richard C. 3,332,212.
Talbot, Richard C. 3,340,824.
Peters, Melville F. Fluid separating device. 3,300,053, 1–24–67, Cl. 210—519.
Peters, Melville F. Air release valve assembly. 3,340,887, 9–12–67, Cl. 137—202.
Peters, Melville F. Method of extending the useful life of surge attenuating devices. 3,345,725, 10–10–67, Cl. 29—157.
Peters, Myron J. and C. I. Pinning device. 3,336,638, 8–22–67, Cl. 24—6.
Peters, Richard J. Bookmark. 3,324,823, 6–13–67, Cl. 116—119.
Peters, Robert N., to L. W. Menzimer, Trustee. Automotive door latch. 3,305,258, 2–21–67, Cl. 292—198.
Peters, Robert W.: *See*—
Garrett, Henry U., Peters, and Dinning. 3,333,640.
Peters, Robert W., to H. J. Gorski. Stator core winding machine. 3,323,734, 6–6–67, Cl. 242—1.1.
Peters, Robert W. Electric motor. 3,334,255, 8–1–67, Cl. 310—215.
Peters, Robert W., to H. J. Gorski. Armature winding machine. 3,345,002, 10–3–67, Cl. 242—13.
Peters, Rudolph W. Content dispenser for collapsible tubes. 3,332,579, 7–25–67, Cl. 222—96.
Peters and Russell, Inc.: *See*—
McPherson, Hal W. 3,334,358.
McPherson, Hal W. 3,335,756.
Russell, Linus E. 3,347,273.
Russell, Linus E. 3,347,385.
Peters, Theodore F., to General Motors Corp. Vehicle differential brake control. 3,312,314, 4–4–67, Cl. 188—152.
Peters, Theodore F., to General Motors Corp. Closure latch with auxiliary latch release. 3,312,491, 4–4–67, Cl. 292—201.
Peters, Timothy V., to Ameliotex, Inc. Continuous process of producing solutions of substantially linear polyurethanes. 3,346,529, 10–10–67, Cl. 260—32.6.
Peterschmidt, Paul L., to Diversification Development, Inc. Bulk blending and bulk storage plants. 3,327,874, 6–27–67, Cl. 214—16.
Petersen, Anita E.: *See*—
Benetti, John G. 3,312,002.
Petersen, Gerald A. 3,312,297.
Petersen, Gerald A. 3,316,988.
Petersen, Gerald A. 3,323,235.
Petersen, Gerald A. 3,323,236.
Petersen, Gerald A. 3,330,055.
Petersen, Gerald A. 3,345,765.
Petersen, Gerald A. 3,349,508.
Petersen, Gerald A. 3,357,117.
Petersen, Gerald A. 3,359,662.
Petersen, Gerald A., and Lanum. 3,346,284.
Troeppl, William M. 3,312,003.
Troeppl, William M., and Benetti. 3,305,954.
Troeppl, William M., and Petersen. 3,300,883.
Petersen, Arne G., to Westinghouse Electric Corp. Adjustable pitch axial flow fan blades. 3,357,496, 12–12–67, Cl. 170—160.6.
Petersen, Carl T., and E. R. McClelland, to Filper Corp. Method of bisecting and pitting freestone drupes. 3,330,320, 7–11–67, Cl. 146—224.
Petersen, Donald K. Plane anchorage. 3,338,176, 8–29–67, Cl. 104—35.
Petersen, Erich H., and H. K. Steuer, to Reimers-Getriebe K.G. Automatic belt or chain tightening mechanism for an infinitely variable cone pulley transmission. 3,349,633, 10–31–67, Cl. 74—230.17.
Petersen, Gerald A.: *See*—
Benetti, John G. 3,312,002.
Troeppl, William M., and Benetti. 3,305,954.
Troeppl, William M., and Benetti. 3,312,003.
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Petersen, Gerald A. Cheek and tooth protector. 3,307,539, 3–7–67, Cl. 128—136.

Petersen, Gerald A., ½ to A. E. Petersen. Earth auger head having finger tip teeth. 3,312,297, 4–4–67, Cl. 175—392.

Petersen, Gerald A., ½ to A. E. Petersen. Auger head with three radial arms. 3,316,988, 5–2–67, Cl. 175—391.

Petersen, Gerald A., ½ to A. E. Petersen. Resilient retainer for excavating tooth. 3,323,235, 6–6–67, Cl. 37—142.

Petersen, Gerald A., ½ to A. E. Petersen. Reversely bent retainer for pronged excavating tooth. 3,323,236, 6–6–67, Cl. 37—142.

Petersen, Gerald A., ½ to A. E. Petersen. Resilient retaining means for jacketed tooth. 3,330,055, 7–11–67, Cl. 37—142.

Petersen, Gerald A., ½ to A. E. Petersen. Reversely bent resilient retainer for digging implement blades. 3,345,765, 10–10–67, Cl. 37—142.

Petersen, Gerald A., ½ to A. E. Petersen. Tooth with T-shaped shank. 3,349,508, 10–31–67, Cl. 37—142.

Petersen, Gerald A., ½ to A. E. Petersen. Resilient retaining means for digging implement blades. 3,357,117, 12–12–67, Cl. 37—142.

Petersen, Gerald A., ½ to A. E. Petersen. Resilient retainer for excavating teeth fused to tooth holder. 3,359,662, 12–26–67, Cl. 37—142.

Petersen, Gerald A. and W. J. Lanum, said Petersen assor. of ½ to A. E. Petersen. Swivel cable pulling grip and filler. 3,346,284, 10–10–67, Cl. 287—91.

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Petersen, Herbert O. Riser supports. 3,331,579, 7–18–67, Cl. 249—14.

Petersen, James M.: *See*—
Reed, David D., Moroz, and Petersen. 3,342,735.

Petersen, James M., and J. F. Lyons, to Texaco Inc. Alkyl alkenethiophosphonate and their lubricant composition. 3,296,132, 1–3–67, Cl. 252—46.6.

Petersen, John F., to Real Estate Securities, Inc. Fluid pressure control valve. 3,329,170, 7–4–67, Cl. 137—625.69.

Petersen, Mogens, to Kongskilde Maskinfabrik A/S. Container with connecting elements for the wall portions. 3,323,265, 6–6–67, Cl. 52—302.

Petersen, Paul S.: *See*—
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Werner, Frank D., and Petersen. 3,332,116.

Petersen, Povl V., and T. Huld, to Kefalas A/S. Thiaxanthenols, process of producing and anti-tussive compositions thereof. 3,359,161, 12–19–67, Cl. 167—55.

Petersen, Richard W.: *See*—
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Petersen, Rolland G. Key and combination cylinder lock. 3,312,090, 4–4–67, Cl. 70—285.

Petersen, Rudolph S.: *See*—
Osgood, Winthrop B., Jr., and Petersen. 3,340,895.

Petersen, Rudolph S., and B. Olsen, to Sanders Associated, Inc. Fluid flow sensing device. 3,325,612, 6–13–67, Cl. 200—81.9.

Petersen, Sigrud R., to Westinghouse Electric Corp. Support arrangement for diodes in a rotating rectifier exciter. 3,348,-127, 10–17–67, Cl. 322—59.

Petersen, Thorvald K., to Douglas Aircraft Co., Inc. Satellite orbital simulator. 3,303,583, 2–14–67, Cl. 35—47.

Petersen, Walter. Reinforced plastic glass holding frame. 3,348,349, 10–24–67, Cl. 52—498.

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Pinke, August H., and Petersen. 3,321,178.

Petersen, Warren D., to Schlumberger Ltd. (Schlumberger N.V.). Stack chair. 3,316,016, 4–25–67, Cl. 297—239.

Petersen, Warren E., to Western Electric Co., Inc. Strand measuring device. 3,318,005, 5–9–67, Cl. 33—134.

Petersilka, Franz K., R. P. Schittenhelm, and R. G. Weiss, to Siemens-Reiniger Werke Aktiengesellschaft. Vacuum pump. 3,357,633, 12–12–67, Cl. 230—69.

Peterson, Adolphe C. Heat regeneration system for gas turbines. 3,306,039, 2–28–67, Cl. 60—39.51.

Peterson, Adolphe C. Utilization of nuclear reactor in connective distillation and power generation system. 3,336,207, 8–15–67, Cl. 202—236.

Peterson, Adolphe C. Apparatus for convective distillation of materials in solution with hot gas produced by combustion. 3,351,537, 11–7–67, Cl. 202—172.

Peterson, Adolphe C. Method and apparatus for distillation of materials in solution by direct and indirect contact with air. 3,356,591, 12–5–67, Cl. 203—10.

Peterson, Adolphe C. Turbine propulsion and drive for aircraft rotor means. 3,357,656, 12–12–67, Cl. 244—17.23.

Peterson, Alan H.: *See*—
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Kelly, Joe T., Peterson, and Templeman. 3,308,053.

Peterson, Alge T., Jr.: *See*—
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Peterson, Alice L. Cylindrical grain dryer device. 3,344,533, 10–3–67, Cl. 34—230.

Peterson, Arnold G., and N. H. Mabie, to L. M. & L. Corp. False twister head. 3,334,481, 8–8–67, Cl. 57—77.3.

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Peterson, Bernice E.: *See*—
Peterson, Walter G. and B. E. 3,354,558.

Peterson Brothers Mfg. Co.: *See*—
Peterson, Horthun L. 3,301,112.

Peterson, Bulow A.: *See*—
Malmrose, John P., and Peterson. 3,302,332.

Peterson, Carl A., to Basic Products Corp. Transformer and saturable reactor voltage regulator. 3,353,093, 11–14–67, Cl. 323—43.5.

Peterson, Carl H., to C. F. Shepherd. Suction-type grinding mill. 3,313,494, 4–11–67, Cl. 241—56.

Peterson, Charles A., to Pan American Sulphur Co. Holder for campaign buttons, flags and the like. 3,357,662, 12–12–67, Cl. 248—39.

Peterson, Charles D. Gas pressure regulator with 180° U-bend valve body. 3,330,295, 7–11–67, Cl. 137—382.

Peterson, Clarence A., to United States of America, Navy. Automatic frequency analyzer using parallel one-third octave filters. 3,337,799, 8–22–67, Cl. 324—77.

Peterson, Clarence G., 25% to H. G. Anderson, W. B. Anderson, R. H. Nyholm, and H. Anderson, Jr. Spring biased valve operating lever. 3,313,516, 4–11–67, Cl. 251—144.

Peterson, Clifford D.: *See*—
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Peterson, Dana, and W. W. Morgan. Tool handle. 3,328,999, 7–4–67, Cl. 72—388.

Peterson, David G., to Ultra, Inc. Disintegrator pump. 3,325,-107, 6–13–67, Cl. 241—101.

Peterson, David R., to Motorola, Inc. Method of forming thin oxide films. 3,306,768, 2–28–67, Cl. 117—106.

Peterson, Dean M.: *See*—
Kottler, Franklin D., Vroom, and Peterson. 3,327,105.

Peterson, Dean M., C. E. Pickering, and W. Windle, Jr., to Eastman Kodak Co. Unidirectional clutch mechanism. 3,300,003, 1–24–67, Cl. 192—46.

Peterson, Dean M., and H. F. Roller, to Eastman Kodak Co. Method of manufacturing a friction clutch. 3,321,565, 5–23–67, Cl. 264—162.

Peterson, Dean M., and C. E. Pickering, to Eastman Kodak Co. Miniature flash attachment and photoflash lamp socket receiving portion. 3,353,465, 11–21–67, Cl. 95—11.5.

Peterson, Don W., J. J. Kovac, J. W. Calvin, and V. C. Puse, to The Goodyear Tire & Rubber Co. Airplane disc brake and key combination. 3,345,109, 10–3–67, Cl. 301—6.

Peterson, Donald H., to J. A. and M. Rainsford, d.b.a. E-Z Products Co. Clip pack. 3,332,551, 7–25–67, Cl. 206—65.

Peterson, Donald W., to General Motors Corp. Turn signal system including impulse relays. 3,333,241, 7–25–67, Cl. 340—55.

Peterson, Donovan F., C. E. Rasmussen, and R. J. T. Harris, to U.S. Automatics Corp. Current switching arrangement to cutout the defective gas lamp upon failure. 3,345,538, 10–3–67, Cl. 315—125.

Peterson, Edgar M.: *See*—
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Peterson, Edward C., to Birdsboro Corp. Up-and-down shear. 3,316,788, 5–2–67, Cl. 83—375.

Peterson, Edwin F. Fitter for vibrating devices. 3,333,799, 8–1–67, Cl. 248—14.

Peterson, Edwin F. Rotary vibrator and mount therefor. 3,355,957, 12–5–67, Cl. 74—87.

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Peterson, Evald O., to Compo Shoe Machinery Corp. Device for operating on shoe bottoms. 3,345,660, 10–10–67, Cl. 12—16.4.

Peterson, Everett A.: *See*—
Baermann, Walter P., Cooke, and Peterson. 3,301,394.

Peterson, Everett A. and H. W. Luggage. 3,295,643, 1–3–67, Cl. 190—41.

Peterson, Everett A. and H. W., to Peterson Electronic Die Co., Inc. Heat sealing machine for bonding flexible strips to thermoplastic surfaces. 3,360,417, 12–26–67, Cl. 156—380.

Peterson, Floyd V. Electrical precipitator apparatus of the liquid spray type. 3,331,192, 7–18–67, Cl. 55—107.

Peterson, Garland R.: *See*—
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Peterson, George C.: *See*—
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Peterson, George J., to Swift & Co. Flameproofing composition, method and article containing same. 3,305,431, 2–21–67, Cl. 161—232.

Peterson, Glen. Means for improving the traction of wheeled vehicles. 3,335,776, 8–15–67, Cl. 152—222.

Peterson, Gudmundur P., and B. W. Lees, to United Aircraft of Canada Ltd. Protection for aircraft engines against snow, ice, and airborne particles. 3,329,377, 7–4–67, Cl. 244—53.

Peterson, Harold B. Folding and swinging hydraulic boom. 3,295,705, 1–3–67, Cl. 214—132.

Peterson, Harold M.: *See*—
Pfeiffer, Joseph J., and Peterson. 3,312,432.

Peterson, Harold W.: *See*—
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Peterson, Everett A., and H. W. 3,360,417.

Peterson, Harry L. Fluid pressure system for use in controlling steering of outboard motors and the like. 3,358,564, 12–19–67, Cl. 91—375.
Peterson, Henry J., to Sun Oil Co. Oxidation of tertiary-butyl groups attached to an aromatic ring to form the corresponding aromatic carboxylic acid. 3,296,280, 1–3–67, Cl. 260—346.4.
Peterson, Herbert E. Electrical resistance heating apparatus. 3,311,734, 3–28–67, Cl. 219—50.
Peterson, Herbert J., to United States Steel Corp. Apparatus for picking up and rolling pipe lengths while traveling sidewise on chain conveyor. 3,310,154, 3–21–67, Cl. 198—33.
Peterson, Horthun L., 33⅓% to Peterson Stamping and Mfg. Co., Small Lot Stamping Co., and Peterson Bros. Mfg. Co. Punch press ram structure. 3,301,112, 1–31–67, Cl. 83—137.
Peterson, Howard. Traction mat and wheel chock for automotive vehicles. 3,357,639, 12–12–67, Cl. 238—14.
Peterson, J. Charles: *See*—
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Peterson, Jack C., to Package Products Co., Inc. Method of forming merchandise container. 3,308,722, 3–14–67, Cl. 93—35.
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Peterson, James L. Patient controlled power operated kit for hospital bed. 3,311,933, 4–4–67, Cl. 5—66.
Peterson, James L., to The Joyce Corp. Process for preparing a protective coating. 3,359,181, 12–19–67, Cl. 106—14.
Peterson, Janet B., and M. Dexter, to Geigy Chemical Corp. Alkyl-4-hydroxy-phenyl carbamates. 3,303,211, 2–7–67, Cl. 260—471.
Peterson, John A.: *See*—
Dexter, Theodore H., and Peterson. 3,316,060.
Peterson, John A., to Hooker Chemical Corp. Purification of phosphorus-containing solutions. 3,305,304, 2–21–67, Cl. 23—107.
Peterson, John A., to Hooker Chemical Corp. Process for producing anhydrous ammonium bifluoride from an aqueous solution of ammonium fluoride. 3,310,369, 3–21–67, Cl. 23—88.
Peterson, John A., and R. G. Hartig, to Hooker Chemical Corp. Purification of phosphate solutions. 3,305,305, 2–21–67, Cl. 23—107.
Peterson, John A., J. J. Wylegala, J. T. Rucker, and L. E. Tufts, to Hooker Chemical Corp. Recovery of substantially anhydrous hydrogen fluoride from an impure aqueous ammonium fluoride solution. 3,338,673, 8–29–67, Cl. 23—153.
Peterson, John C.: *See*—
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Peterson, Joseph C. Pickling inhibitor composition. 3,312,625, 4–4–67, Cl. 252—149.
Peterson, Joseph C. Additive for stainless steel pickling baths. 3,349,037, 10–24–67, Cl. 252—146.
Peterson, Kail R.: *See*—
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Peterson, Laverne R., to Sperry Rand Corp. Multi-tape transport assembly. 3,321,752, 5–23–67, Cl. 340—174.1.
Peterson, Loren N., to Salina Mfg. Co., Inc. Construction for Y-shaped valves, couplings or the like. 3,319,650, 5–16–67, Cl. 137—561.
Peterson, Loren W., to Sperry Rand Corp. Connector assembly. 3,315,212, 4–18–67, Cl. 339—75.
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Peterson, Melvin N. A., to The Regents of the University of California. Ultrasonic sieving. 3,305,481, 2–21–67, Cl. 210—19.
Peterson, Nils O. A. Apparatus for inoculation against smallpox and the like having means for vibrating and heating a needle. 3,308,823, 3–14–67, Cl. 128—253.
Peterson, Olav, to Northern Electric Co. Ltd. Floating back diode limiter. 3,321,642, 5–23–67, Cl. 307—88.5.
Peterson, Oscar A., to Mid-Century Corp. Connections for alloy lined vessels. 3,349,951, 10–31–67, Cl. 220—63.
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Peterson, Raymond L.: *See*—
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Peterson, Rehn C., and V. F. Rana, to T.W. & C.B. Sheridan Co. Book trimmer or the like. 3,340,758, 9–12–67, Cl. 83—697.
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Peterson, Reino A., to The Bunting Brass and Bronze Co. Self-aligning bearing. 3,318,642, 5–9–67, Cl. 308—26.
Peterson, Richard A. and G. R. Spraying apparatus with pump and motor adjustment. 3,320,895, 5–23–67, Cl. 103—57.
Peterson, Richard H., to Columbia Records Distribution Corp. Electrical musical instruments. 3,316,341, 4–25–67, Cl. 84—1.24.
Peterson, Richard H. Electrical wiring. 3,320,489, 5–16–67, Cl. 317—119.
Peterson, Richard H. Electronic musical instrument. 3,328,507, 6–27–67, Cl. 84—1.26.
Peterson, Richard L., to Moeller Mfg. Co., Inc. Adjustable tamperproof closure. 3,295,712, 1–3–67, Cl. 220—24.5.
Peterson, Robert A., to Caterpillar Tractor Co. Accelerator system for multiple engine control. 3,296,885, 1–10–67, Cl. 74—478.
Peterson, Robert A., to Caterpillar Tractor Co. Controls for earthmoving scrapers connected in tandem. 3,339,658, 9–5–67, Cl. 180—14.
Peterson, Robert C. Load equalizer. 3,321,997, 5–30–67, Cl. 74—573.
Peterson, Robert J., to The Quaker Oats Co. Ice cream sandwich machine. 3,316,860, 5–2–67, Cl. 107—1.
Peterson, Robert J., and E. L. Coonrod, to American Can Co. Cartoning machine. 3,298,287, 1–17–67, Cl. 93—49.
Peterson, Robert M., to Scovill Mfg. Co. Power operated knife with adjustable blades. 3,303,563, 2–14–67, Cl. 30—272.
Peterson, Robert M., to Scovill Mfg. Co. Means for mounting a food mixer on a standard. 3,312,433, 4–4–67, Cl. 248—13.
Peterson, Rodney E.: *See*—
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Peterson, Rodney E., and E. M. Sutphin, to Gulf Research & Development Co. Method for improving the quality of aromatic compounds. 3,310,594, 3–21–67, Cl. 260—672.
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Peterson, Thomas F. (deceased), J. D. Drinko, and Central National Bank of Cleveland, Ohio, coexecutors. Method and articles for splicing plastic pipe. 3,334,663, 8–8–67, Cl. 138—132.
Peterson, Thomas G. Disposable and collapsible storage and shipping container. 3,337,036, 8–22–67, Cl. 206—46.
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Peterson, Walter O., to Polarknown, Inc. Method of and means for information detection. 3,302,306, 2–7–67, Cl. 35—9.
Peterson, Walter R. Dual wheel construction for vehicles. 3,337,270, 8–22–67, Cl. 301—36.
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Peterson, William H., to Pullman Inc. Long travel dual sill cushioning arrangement for railroad cars. 3,334,757, 8-8-67, Cl. 213—8.
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Peterson, William R., and J. F. Kowalick, to United States of America, Army. Fuze apparatus. 3,336,869, 8-22-67, Cl. 102—27.
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Petree, David W., to Burlington Industries, Inc. Method of making composite yarn. 3,344,597, 10-3-67, Cl. 57—157.
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Pfeiffer, Joseph J., and H. M. Peterson, to ReDeMan Corp. Mobile stand. 3,312,432, 4–4–67, Cl. 248—13.
Pfeiffer, Ralph R.: *See*—
Ainsworth, Cameron, and Pfeiffer. 3,332,841.
Pfeiffer, Reinhold F.: *See*—
Mayer, Herbert, and Pfeiffer. 3,295,530.
Pfeil, Arthur P., to Arrow Tank Co., Inc. Lined hollow wood body. 3,329,174, 7–4–67, Cl. 138—141.
Pfeil, Peter C. L., to United Kingdom Atomic Energy Authority. Heat treatment of steel. 3,347,715, 10–17–67, Cl. 148—12.
Pfeilschifter, Dieter, to Reteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Device for picking up and unloading pourable material. 3,298,494, 1–17–67, Cl. 198—9.
Pfender, Stephen J. and T. E. Movable door structure. 3,353,298, 11–21–67, Cl. 49—43.
Pfender, Thomas E.: *See*—
Pfender, Stephen J. and T. E. 3,353,298.
Pfenninger, Heinz A.: *See*—
Doebel, Karl J., and Pfenninger. 3,300,482.
Doebel, Karl J., and Pfenninger. 3,300,504.
Doebel, Karl J., and Pfenniger. 3,324,116.
Doebel, Karl J., and Pfenninger. 3,336,321.
Pfenninger, Heinz A., to Geigy Chemical Corp. Certain pyridobenzothiadiazepine derivatives. 3,341,520, 9–12–67, Cl. 260—239.3.
Pfenningsberg, Josef. Spindle drives for spinning, twisting machines and the like. 3,314,227, 4–18–67, Cl. 57—88.
Pferdekämper, Hans, to Schloemann Aktiengesellschaft. Shaping stand for the production of helically welded tubes. 3,355,921, 12–5–67, Cl. 72—171.
Pfeuffer, Alfred: *See*—
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Kuhne, Rudolf, Meininger, and Pfirrmann. 3,354,182.
Pfister, Frank III, to Gorham Corp. Grave marker. 3,312,014, 4–4–67, Cl. 47—41.1.
Pfister, Karl, and J. Kollonitsch, to Merck & Co., Inc. N-lactoyl and N-halopyruvoyl-2-nitroanilides. 3,347,908, 10–17–67, Cl. 260—488.
Pfister, Leo F., to Conco Engineering Works, Inc. Double acting draft control with sleeve. 3,297,251, 1–10–67, Cl. 236—45.
Pfister, Leo F., to Conco Engineering Works, Inc. Keying means for draft controls. 3,327,945, 6–27–67, Cl. 236—45.
Pfister, Marcel C. Photoelectric device for determining the length or position of a sample using scanner and rotating beam-chopper. 3,355,591, 11–28–67, Cl. 250—219.
Pfister, Robert A.: *See*—
McBournie, Donald E., and Pfister. 3,325,339.
Pfister, Rudolf, and A. R. Sallmann, to Geigy Chemical Corp. Certain 1-alkyl-2-4-bis(dialkylamino)-quinolinium salts. 3,301,861, 1–31–61, Cl. 260—288.
Pfister, Rudolf, and F. Hafliger, to Geigy Chemical Corp. Substituted 1,2-diphenyl-3,5-dioxo-pyrazolidines. 3,325,509, 6–13–67, Cl. 260—310.
Pfister, Stanley A., to The Cincinnati Milling Machine Co. Gear protection mechanism for transmission. 3,319,480, 5–16–67, Cl. 74—339.
Pfister, Walter: *See*—
Cho, Chi L. 3,319,342.

Pfister, William J.: *See*—
Shirn, George A., and Pfister. 3,316,133.
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Agnello, Eugene J., Laubach, and Moreland. 3,350,394.
Allingham, Robert P. 3,326,936.
Augstein, Joachim, Monro, and Potter. 3,330,827.
Augstein, Joachim, Monro, Potter, and Wrigley. 3,306,-913.
Augstein, Joachim, Monro, Potter, and Wrigley. 3,344,-186.
Augstein, Joachim, Monro, and Wrigley. 3,330,838.
Austin, William C., Danilewicz, and Conover. 3,336,323.
Ayers, Robert C., Jr., and Kehoe. 3,313,694.
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Bloom, Barry M., and Muren. 3,310,553.
Buck, Carl J., and Belcher. 3,357,987.
Celmer, Walter D. 3,303,210.
Clements, John E. 3,337,895.
Ensminger, Stanley W. 3,313,693.
Fahey, John E. 3,296,073.
Griffin, Joan M. 3,296,079.
Hess, Hans-Jurgen E. 3,330,857.
Huang, Hsing T., and Shull. 3,355,301.
Johnston, James D. 3,296,257.
Johnston, James D. 3,344,022.
Kent, Robert E. 3,326,761.
Koch, Richard C. 3,314,963.
McLamore, William M. 3,349,124.
McManus, James M. 3,544,138.
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Noseworthy, Melvin M. 3,326,808.
Olson, William A. 3,338,718.
Rao, Koppaka V., Marsh, and Renn. 3,328,248.
Rao, Koppaka V., Renn, and Marsh. 3,311,537.
Schach von Wittenau, Manfred, and Koe. 3,320,282.
Shannon, Robert F. 3,330,874.
Tate, Kenneth B. 3,304,965.
Thomas, Paul D. 3,343,964.
Timreck, Albert E. 3,359,167.
Tretter, James R. 3,354,155.
Ulyatt, Jeffrey M. 3,357,970.
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Pflanz, Herbert M.: *See*—
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Pfiasterer, Forrest L., to Mercury Inc. Convertible welding generator. 3,328,671, 6–27–67, Cl. 322—63.
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Kessler, Adriaan, and Pflaumer. 3,332,880.
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Pfleiderer, Kurt, to Bolkow Gesellschaft mit beschrankter Haftung. Helicopter rotor construction. 3,303,887, 2–14–67, Cl. 170—160.25.
Pfleiderer, Kurt, and A. Schwarz, to Bolkaw Gesellschaft mit beschraukter Haftung. Helicopter rotor. 3,321,020, 5–23–67, Cl. 170—160.11.
Pflueger Corp.: *See*—
Sarah, Thomas F. 3,297,275.
Sarah, Thomas F. 3,307,798.
Sarah, Thomas F. 3,325,115.
Sarah, Thomas F. 3,327,962.
Sarah, Thomas F. 3,327,963.
Pflueger, Richard, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for the continuous production of rods or other sections from thermoplastics. 3,297,808, 1–10–67, Cl. 264—176.
Pflueger, Richard, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process and apparatus for the continuous production of profiles from thermoplastics. 3,308,506, 3–14–67, Cl. 18—12.
Pflumm, Heinz R., deceased (by G. Durst, and B. C. Coad), to Texas Instruments Inc. Composite stock comprising a plurality of layers of alloying constituents, each layer being less than 0.001 inch in thickness. 3,295,935, 1–3–67, Cl. 29—183.5.
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Anderson, Donald G., and Pfrehm. 3,314,730.
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Pfund, Charles E., and J. W. Dawson. Acoustic communication device and toy. 3,305,043, 2–21–67, Cl. 181—27.
Phalan, John E., and J. T. Burke, to Nalco Chemical Co. Hot strip rolling mill. 3,345,841, 10–10–67, Cl. 72—39.
Phalen, Edward R., and J. R. Moe. Bi-rotary engine with oscillating vanes. 3,320,936, 5–23–67, Cl. 123—43.
Pharmaseal Laboratories: *See*—
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Phansalkar, Achyut K., and H. C. Walther, Jr., to Continental Oil Co. Method of completing oil and gas wells. 3,343,600, 9–26–67, Cl. 166—33.
Phares, James K., to Transmarine Corp. Photoelectric document authenticating apparatus with age and color compensation. 3,360,653, 12–26–67, Cl. 250—219.
Phares, Lindsey J., to Raymond International Inc. Methods for installing nondisplacement sand drains. 3,358,458, 12–19–67, Cl. 61—10.
Phares, Lindsey J., H. M. McCall, E. W. Spannhake, and R. K. Snow, to Raymond International Inc. Apparatus for forming piles. 3,300,988, 1–31–67, Cl. 61—63.
Pharris, John A., to EZ Paintr Corp. Paint roller end cap. 3,354,493, 11–28–67, Cl. 15—230.11.
Phelan, Charles S.: *See*—
Rohe, Frederick W., and Phelan. 3,296,765.
Phelan, Charles S., to F. W. Rohe. Sandwich panel spacer with torque resistant mechanical anchorage. 3,313,079, 4–11–67, Cl. 52—617.
Phelan, Charles S., to Shur-Lok Corp. Barrel nut with latching retainer means. 3,322,177, 5–30–67, Cl. 151—41.76.
Phelan-Faust Paint Mfg. Co.: *See*—
Fitzgibbon, James B. 3,334,557.
Phelan, John H., III. Heater for oil recovery. 3,343,605, 9–26–67, Cl. 166—61.
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Phelisse, Jean A., M. M. R. Salmon, and J. F. M. Varagnat, to Phone-Poulenc S.A. Elastic thermoplastic polyesterurethanes prepared from (a) a polyester, (b) an aliphatic diisocyanate, (c) a triol in a chlorinated aromatic solvent. 3,344,121, 9–26–67, Cl. 260—75.
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Somer, Fritz. 3,346,887.
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Anthes, John A., and Phelps. 3,326,668.
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Baker, James R., and Phelps. 3,348,995.
Phelps, Frederick L., Jr.: *See*—
Collins, Glenn A., Jr., and Phelps. 3,352,814.
Phelps, James W.: *See*—
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Phelps, John T. Humidor for tobacco or tobacco products having means associated therewith for keeping the tobacco moist. 3,336,093, 8–15–67, Cl. 312—31.1.
Phelps, Malcolm T.: *See*—
Bencene, Robert C., and Phelps. 3,339,956.
Phelps, Malcolm T., to Weber-Knapp Co. Label holder. 3,321,-855, 5–30–67, Cl. 40—16.
Phelps, Peter M., to The Fluor Corp., Ltd. Cooling tower deck slat spacer. 3,345,048, 10–3–67, Cl. 261—112.
Phelps, Philip M.: *See*—
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Phelps, William C. Automatic door boring machine. 3,319,-672, 5–16–67, Cl. 144—3.
Phermaseal Laboratories: *See*—
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Pherson, Perry O., A. A. Slater, and K. Engel, to International Paper Co. Package. 3,346,141, 10–10–67, Cl. 221—48.
Phielix, Bernard, to Stamicarbon N.V. Process for preparing cyclohexanone. 3,305,586, 2–21–67, Cl. 260—586.
Phielix, Bernard, and J. Bonnema, to Stamicarbon N.V. Preparation of acrolein or methacrolein. 3,313,856, 4–11–67, Cl. 260—604.
Philadelphia Handle Co., Inc.: *See*—
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Szabo, Marton. 3,340,970.
Szabo, Marton. 3,340,971.
Philadelphia Insulated Wire Co.: *See*—
Rogers, Gerson G. 3,303,252.
Philadelphia Quartz Co.: *See*—
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Burak, Nathan. 3,324,075.
Emblem, Harold G., and Hurt. 3,326,950.
Emblem, Harold G., Hurt, and Trow. 3,299,166.
Emblem, Harold G., and Oxley. 3,329,520.
Emblem, Harold G., and Trow. 3,314,806.
Netting, David I., and Weldes. 3,345,302.
Schnurch, Roland, Koster, and Heise. 3,346,335.
Von Freyhold, Helmut. 3,326,701.
Weldes, Helmut H. W. 3,301,853.
Weldes, Helmut H. W. 3,326,910.
Weldes, Helmut H. W. 3,338,901.
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Weldes, Helmut H. W., and Netting. 3,345,194.

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Hubbard, James R. 3,324,688.
Luce, Robert L., and Schlegel. 3,331,001.
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Spera, Frank T. 3,323,099.
Springer, Joseph F. 3,324,395.
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Philco-Ford Corp.: *See*—
Anastasia, Louis. 3,327,727.
Beres, John F., and Bray. 3,350,648.
Blount, George H., and Marx. 3,358,945.
Colalillo, Edward P. 3,333,085.
Dow, Harrison E. 3,333,061.
Hales, Kenneth R. 3,340,162.
Heimbold, John J. 3,334,238.
Hontz, Thomas H. 3,340,602.
Hopengarten, Abram. 3,302,110.
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Hopengarten, Abram, and Wood. 3,320,543.
Johnson, Jack L., and Lundquist. 3,326,619.
Keprta, Buran I., Jr. 3,330,997.
Kile, Clifford, Jr. 3,331,994.
Kuflik, Samuel, and Uhland. 3,336,578.
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Parstorfer, John. 3,346,689.
Schwing, Joseph A. 3,304,751.
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Wilcox, Jack E. 3,344,353.
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Philibert, Robert A., F. L. Browne, and R. F. Polimine, to O. Z. Electrical Mfg. Co., Inc. Seal for a pothead hoodnut. 3,344,223, 9–26–67, Cl. 174—19.

Philip Carey Mfg. Co.: *See*—
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Philip, Morris. Knitting machine and method of knitting. 3,298,202, 1–17–67, Cl. 66—50.

Philip, Morris. Star wheel and means for setting same. 3,319,489, 5–16–67, Cl. 74—660.

Philip Morris Inc.: *See*—
Bavley, Abraham, and Grossman. 3,306,303.
Hind, John D., and Seligman. 3,353,541.

Philipchuk, Vasil, to United States of America, Navy. Continuous rod warhead. 3,298,309, 1–17–67, Cl. 102—67.

Philipp, Erich: *See*—
Chen, Yian-Nian, and Philipp. 3,312,304.

Philipp, Fritz: *See*—
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Philipp Holzmann Aktiengesellschaft: *See*—
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Philippi, George J., to Johnson & Johnson. Splicer. 3,318,754, 5–9–67, Cl. 156—505.

Philippi, George J., to Johnson & Johnson. Pressure-sensitive tape feeding device. 3,353,432, 11–21–67, Cl. 83—176.

Philippidis, Philip A., to Consolidated Edison Co. of New York, Inc. Network protector. 3,358,189, 12–12–67, Cl. 317—26.

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Philipps, Virgil J., to American Machine & Foundry Co. Beverage dispenser. 3,297,308, 1–10–67, Cl. 259—97.

Philippsen, Hans, and T. Muller, to Goetzewerke Friedrich Goetze Aktiengesellschaft. Method of and apparatus for honing piston rings. 3,296,747, 1–10–67, Cl. 51—73.

Philips Electronics & Pharmaceutical Industries Corp.: *See*—
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Soleau, Joseph H. 3,359,840.
Sterk, Andrew A., and Zingaro. 3,322,991.
Wildeboer, Nicolaas, and Landsittel. 3,356,466.

Phillip-Van Heusen Corp.: *See*—
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Phillips, Adolph. Galvanometer controlled recorder. 3,304,553, 2–14–67, Cl. 346—31.

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Phillips, Leonard R. 3,340,787.

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Meranda, James I., and Phillips. 3,325,809.

Phillips, Albert J., and R. Baier, to American Smelting and Refining Co. Burner structure. 3,299,940, 1–24–67, Cl. 158—109.

Phillips, Benjamin A., to Whirlpool Corp. Absorption generator. 3,323,323, 6–6–67, Cl. 62—497.

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Nutten, Warren D., and Phillips. 3,353,525.

Phillips, Bernard C., to The Tillotson Mfg. Co. Fuel feed and charge forming apparatus. 3,321,192, 5–23–67, Cl. 261—35.

Phillips, Betty L. S., to United States of America, National Aeronautics and Space Administration. File card marker. 3,310,054, 3–21–67, Cl. 129—16.7.

Phillips, Billy S. Contoured pouch for men's wearing apparel. 3,314,422, 4–18–67, Cl. 128—132.

Phillips, Cecil, Jr., and R. D. Stanphill, to Esso Research and Engineering Co. Apparatus for conducting exothermic reactions. 3,297,412, 1–10–67, Cl. 23—285.

Phillips, Charles T.: *See*—
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Phillips, David, to United States of America, Navy. Bolt block for fastening expanded metal. 3,309,119, 3–14–67, Cl. 287—189.35.

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Phillips, Delbert L., to New Twist Connector Corp. Spirally wound pin connector. 3,319,217, 5–9–67, Cl. 339—176.

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Phillips, Donald S., to Whirlpool Corp. Defrost control for refrigeration apparatus. 3,335,576, 8–15–67, Cl. 62—156.

Phillips, Donald W. Seesaw including gear means for transmitting movement. 3 311,373, 3–28–67, Cl. 272—54.

Phillips, Donald W. Counter structures for machines-tools or the like used for direct while-you-wait services. 3,350,151, 10–31–67, Cl. 312—140.4.

Phillips Drill Co.: *See*—
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Phillips, Dwight L. Bulk material transfer unit. 3,322,257, 5–30–67, Cl. 198—119.

Phillips, Dwight M. Digger tooth contsruction. 3,334,431, 8–8–67, Cl. 37—142.

Phillips, Earl A., to Union Tank Car Co. Insulated railroad tank cars. 3,338,185. 8–29–67, Cl. 105—358.

Phillips, Edwin D. Stressed plastic valve for laboratory glassware. 3,305,211, 2–21–67, Cl. 251—309.

Phillips, Edwin D. Laboratory accessory equipment. 3,323,874, 6–6–67, Cl. 23—292.

Phillips, Edwin D. Stressed valve for laboratory glassware. 3,325,143, 6–13–67, Cl. 251—311.

Phillips, Edwin D. Accessories for chemical glassware apparatus. 3,332,566, 7–25–67, Cl. 215—40.

Phillips, Edwin R.: *See*—
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Phillips, Edwin R., to Sperry Rand Corp. Pure fluid binary counter. 3,319,886, 5–16–67, Cl. 235—201.

Phillips, Edwin R., to Sperry Rand Corp. Jet pipe pneumatic and gate. 3,334,640, 8–8–67, Cl. 137—81.5.

Phillips, Edwin R., to Sperry Rand Corp. Fluid binary counter. 3,342,197, 9–19–67, Cl. 137—81.5.

Phillips, Edwin R., to Sperry Rand Corp. Monostable flip-flop for controlling card punch or printer. 3,359,863, 12–26–67, Cl. 91—50.

Phillips, Edwin R., and M. Jacoby, to Sperry Rand Corp. Visual fluid read-out device. 3,305,171, 2–21–67, Cl. 235—201.

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Phillips, H. A., & Co.: *See*—
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Phillips, Harold J., to Massey-Ferguson Inc. Tractor having saddle gas tanks. 3,311,183, 3–28–67, Cl. 180—1.

Phillips, Harold O.: *See*—
Kraus, Kurt A., and Phillips. 3,317,312.

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Phillips, Harry, and R. B. Lessard, to United Shoe Machinery Corp. Devices for melting and dispensing molten thermoplastic material. 3,318,481, 5–9–67, Cl. 222—56.
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Phillips, Henry E. Waste disposal device. 3,321,103, 5–23–67, Cl. 220—63.
Phillips, Herman E. Rotatable electrical connector. 3,321,729. 5–23–67, Cl. 339—8.
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Phillips, Urbahn A., to Commercial Solvents Corp. Process of making glutamic acid by fermentation of kerosene. 3,313,709, 4–11–67, Cl. 195—28.

Phillips, Wayne. Shield for electrostatic painting. 3,310,-709, 3–21–67, Cl. 317—2.

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Phillips, William G., and J. W. E. Brown, to United States of America, Army. Arthropod feeding device. 3,345,974, 10–10–67, Cl. 119—51.

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Phillipson, Alan, C. Newman, and H. Cheesman, to Decca Ltd. Ejector means for use in an injection molding machine for molding phonograph record disks. 3,315,302, 4–25–67, Cl. 18—2.

Phillipson, Alan, B. H. R. Spiller, R. Smith, and H. Cheesman, to Decca Ltd. Apparatus for cleaning gramophone discs. 3,345,075, 10–3–67, Cl. 274—47.

Phillipson, Alan, B. H. R. Spiller, R. Smith, and H. Cheesman, to Decca Ltd. Apparatus for packaging phonograph records. 3,359,704, 12–26–67, Cl. 53—59.

Phillipson, Neil S., to Westinghouse Electric Corp. Circuit interrupter with locking provision. 3,327,075, 6–20–67, Cl. 200—42.

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Philp, Richard. Prefabricated foldable building. 3,296,752, 1–10–67, Cl. 52—70.

Philpot, Arthur A. Interlocking joints for panel frames. 3,355,-204, 11–28–67, Cl. 287—189.36.

Philpot, Van B., Jr. Inhibition of specific naphthylamide hydrolyzing enzymes (leucine aminopeptidase) with detoxified snake serum. 3,336,204, 8–15–67, Cl. 195—103.5.

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Picanol, Jaime. Cushioning device for the picking stick of looms. 3,312,254, 4–4–67, Cl. 139—168.
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Pickard, John E., to Ball Bros. Co. Inc. Lithographic plate and method of making same. 3,354,825, 11–28–67, Cl. 101—455.
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Piper, Roger D., to United States of America, Atomic Energy Commission. Electrolytic reduction of uranium hexafluoride to uranium metal in fused salt. 3,330,742, 7–11–67, Cl. 204—1.5.

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Pirrie, Norman D., and J. Bland, to Economic Foundations Ltd. Tunnel machine having reversible boring head. 3,301,600, 1–31–67, Cl. 299—33.
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Povinelli, Louis A., and M. F. Heidmann, to United States of American, National Aeronautics and Space Administration. Burning rate control of solid propellants. 3,345,822, 10–10–67, Cl. 60—251.
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Becker, Carl H., Harper, and Mohr. 3,314,075.
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Precision Process (Textiles) Ltd.: *See—*
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Press, Jack J. Modification of steroregular polyolefins with polymeric compositions. 3,337,651, 8–22–67, Cl. 260—895.

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Greasley, Eric A. 3,354,302.
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Preston, Bruce W., to Ford Motor Co. Optical method for the inspection of a transparent object for defects including by comparing light energy at two stations. 3,322,024, 5–30–67, Cl. 88—14.

Preston, David. Continuous forms folder machine. 3,352,553, 11–14–67, Cl. 270—79.

Preston, Edward G., W. C. London, and B. A. Hodsall, to Molins Machine Co. Ltd. Cigarette conveying and aligning apparatus. 3,343,647, 9–26–67, Cl. 198—25.

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Preston, Howard K., Jr., to CF & I Steel Corp. Prestressed concrete members. 3,347,005, 10–17–67, Cl. 52—230.

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Preston, Jack, to Monsanto Co. Polyamides containing fused heterocycle units. 3,324,086, 6–6–67, Cl. 260—78.

Preston, Jack, to Monsanto Co. Thiazole diamines. 3,335,149, 8–8–67, Cl. 260—302.

Preston, James B., R. S. Carter, and W. C. Neely, to Monsanto Co. Flash photolysis spectroscopic system. 3,354,315, 11–21–67, Cl. 250—217.

Preston, Jerome A., to The Dentists' Supply Co. Refractory mold. 3,303,030, 2–7–67, Cl. 106—38.3.

Preston, Martin, to Kaiser Industries Corp. Oxygen lance assembly. 3,342,471, 9–19–67, Cl. 266—34.

Preston, Norman R. Tubular bandage applicator and cut-off. 3,358,682, 12–19–67, Cl. 128—157.

Preston, Richard J., to United Aircraft Corp. Electrical power generator employing a body fluid as electrolyte and method of operation. 3,353,539, 11–21–67, Cl. 128—419.

Preston, Roy C.: *See*—
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Preuss, Friedrich, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Sheet feeding arrangement for a sheet printing machine. 3,336,026, 8–15–67, Cl. 271—14.
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Preusser, Henry M., to Weyerhaeuser Co. Triggering control for severing device. 3,304,825, 2–21–67, Cl. 83—292.
Preusser, Henry M., E. D. Hasenwinkle, and R. L. Bridges, to Weyerhaeuser Co. Method and apparatus for completing stacks of laminates. 3,322,592, 5–30–67, Cl. 156—297.
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Stephens, William T., and Prevallet. 3,348,491.
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Prevorsek, Dusan C., to The Goodyear Tire & Rubber Co. Polyester resins stabilized with thiophosphate esters. 3,300,440, 1–24–67, Cl. 260—45.7.
Prevost, Alfred L.: *See*—
Levine, Charles A., and Prevost. 3,351,487.
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Charles, Pierre, Prevost, and Testard. 3,344,803.
Prevost, Henri M., to Societe Anonyme dite: Pneumatiques, Caoutchouc Manufacture et Plastiques Kleber Columbes. Outer casings for pneumatic tires. 3,310,094, 3–21–67, Cl. 152—361.
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Preway, Inc.: *See*—
Faehling, Francis L. 3,359,885.
Jenson, Kenneth S., and Suhr. 3,315,657.
Nelson, Averd G. 3,295,508.
Preziosi, Luigi M., and J. J. Zecca, to Westinghouse Electric Corp. Method of manufacturing double-ended electric lamps. 3,301,623, 1–31–67, Cl. 316—21.
Priaroggia, Paolo G., and V. Pignataro, to Pirelli Societa per Azioni Centro Pirelli. Self-sealing end caps for the impregnation of sheathed electric cables of the oil-filled type. 3,342,-162, 9–19–67, Cl. 118—50.
Pribnow, Hans-Hermann, to Brown, Boveri & Cie, Aktiengesellschaft. Bearing for vertical shaft. 3,338,645, 8–29–67, Cl. 308—160.
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Pribyl, Edward J., and C. F. Turk, to E. R. Squibb & Sons, Inc. Production of 12-substituted-6,7,8,9,10,11-hexahydrocycloocta[b]quinolines. 3,318,895, 5–9–67, Cl. 260—286.
Pribyl, Edward J., and C. F. Turk, to E. R. Squibb & Sons, Inc. Production of 12-substituted-6,7,8,9,10,11-hexahydrocycloocta[b]quinolines. 3,318,896, 5–9–67, Cl. 260—287.
Pribyl, Edward J., and J. Bernstein, to E. R. Squibb & Sons, Inc. 2-substituted amino methylcyclooctyl esters of alkyl substituted acetic acid. 3,322,776, 5–30–67, Cl. 260—294.3.
Pribysh, Victor G.: *See*—
Pavlenko, Jury S., Vasiljev, Pribysh, Sigalov, Starostin, Tantsjura, Fridman, and Khodosko. 3,319,055.
Price, Albert E., to General American Transportation Corp. Railway hopper cars. 3,325,223, 6–13–67, Cl. 302—52.
Price, Alson K., and R. F. Sweeney, to Allied Chemical Corp. Production of perhalocyclohexanones. 3,350,457, 10–31–67, Cl. 260—586.
Price, Anthony J., The Estey Musical Instrument Corp. Vibrato construction for lute-type musical instruments. 3,326,-072, 6–20–67, Cl. 84—313.
Price, Arthur: *See*—
Wing, James C., and Price. 3,297,452.
Price Bros. Co.: *See*—
Osweiler, Paul L. 3,338,601.
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Price, Charles R.: *See*—
Gronholz, LeRoy F., Owens, and Price. 3,310,860.
Price, Clifford W., to Phillips Petroleum Co. Recovery of mercaptans from alkaline solutions. 3,336,395, 8–15–67, Cl. 260—609.
Price, David B., to Westinghouse Electric Corp. Cord control mechanism. 3,332,637, 7–25–67, Cl. 242—107.2.
Price, David B., to Westinghouse Electric Corp. Food mixer. 3,356,344, 12–5–67, Cl. 259—1.
Price, Don C., to The Monarch Rubber Co. Plate metal products with two-way extruded nuts. 3,358,546, 12–19–67, Cl. 85—32.
Price, Donald J., to Baird-Atomic, Inc. Manually operated sequential logarithmic spectrometer readout system. 3,337,-738, 8–22–67, Cl. 250—226.
Price, Douglas M. Adjustable irrigation dam. 3,355,896, 12–5–67. Cl. 61—29.
Price, Edison A.: *See*—
Sak, August, and Price. 3,352,428.
Sak, August B., and Price. 3,356,403.
Price, Eldon N., to Douglas Aircraft Co., Inc. Drogue for airspeed-calibration trailing static source. 3,310,257, 3–21–67, Cl. 244—1.
Price, Eugene W.: *See*—
Hanson, Glenn M., Frans, Heian, and Price. 3,301,659.
Hanson, Glenn M., Frans, Heian, and Price. 3,319,949.
Price, Frank B.: *See*—
Silver, Harold F., Steele, and Price. 3,323,948.
Silver, Harold F., Steele, and Price. 3,337,026.
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Price, Frederick: *See*—
Franek, Jozef T., and Price. 3,314,526.
Price, Gail A., to Farmer Bros. Co. Coffee brewing apparatus. 3,347,149, 10–17–67, Cl. 99—282.
Price, George B.: *See*—
Bray, John R., and Price. 3,334,814.
Bray, John R., and Price. 3,354,358.
Price, George B., to Monsanto Co. Relaxation oscillator modulated by another relaxation oscillator. 3,300,733, 1–24–67, Cl. 331—47.
Price, George E., to Westinghouse Electric Corp. Method of forming an electrical heating element. 3,330,034, 7–11–67, Cl. 29—611.
Price, Glenn R., and M. B. McClellan, to Stauffer Chemical Co. Controlling fungi with 1,2-dichlorovinyl hydroxyethyl sulfide. 3,345,255, 10–3–67, Cl. 167—22.
Price, Gordon L., to West Point-Pepperell, Inc. Self-actuating torque gripping device. 3,332,694, 7–25–67, Cl. 279—66.
Price, H. C., Co.: *See*—
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Price, Harold J.: *See*—
Jones, Robert E., Jr., and Price. 3,315,077.
Price, Herbert P., to Celanese Coatings. Diepoxide formed by the condensation of a monohydroxyaliphatic monoglycidyl ether with a dialkyl ester of a carboxylic acid. 3,301,920, 1–31–67, Cl. 260—837.
Price, Herbert P., to Celanese Coatings Co., Inc. Epoxide resin compositions. 3,305,527, 2–21–67, Cl. 260—47.
Price, Herbert P., to Celanese Coatings Co. Production of composite glycidyl polyethers. 3,342,894, 9–19–67, Cl. 260—830.
Price, Herbert P., to Celanese Coatings Co. Process for preparing composite epoxide resins. 3,351,673, 11–7–67, Cl. 260—830.
Price, Herbert P., to Celanese Coatings Co. Preparation of glycidyl polyethers. 3,352,825, 11–14–67, Cl. 260—47.
Price, James C. Liquid sprayer. 3,321,110, 5–23–67, Cl. 222—389.
Price, James R.: *See*—
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Price, James R., to National Homes Corp. Gable and trim construction. 3,332,180, 7–25–67, Cl. 52—94.
Price, James R., R. C. Spillman, and K. T. Wendler, to Shell Oil Co. Lubricant compositions. 3,309,314, 3–14–67, Cl. 252—32.5.
Price, James W. Ticket and money holder. 3,360,027, 12–26–67, Cl. 150—39.
Price, James W., and J. M. Toth, Jr., to Douglas Aircraft Co., Inc. Method of making a metallic-lined pressure vessel. 3,321,347, 5–23–67, Cl. 156—151.
Price, Jerry L.: *See*—
Leach, Harry S., and Price. 3,338,982.
Price, John A., to Avisum Corp. Polymerization of olefins in the presence of a catalyst consisting of titanium trichloride, an alkyl aluminum dihalide and an alkoxy silane. 3,328,375, 6–27–67, Cl. 260—93.7.
Price, John A., and W. R. Watt, to Avisun Corp. Olefin polymerization in the presence of a catalyst comprising $TiCl_3RAlX_2$ and a chelate of an aluminum compound. 3,313,791, 4–11–67, Cl. 260—93.7.
Price, John F., to Statham Instruments, Inc. Telemetering circuits and amplifiers employed therein. 3,346,818, 10–10–67, Cl. 330—30.
Price, John M.: *See*—
Weed, William H., and Price. 3,357,801.
Price, John T.: *See*—
Groos, Francis D., Price, and Hopkins. 3,322,484.
Price, Kenneth E., and H. Schmitz, to Bristol-Myers Co. Peliomycin and method of preparing same. 3,345,261, 10–3–67, Cl. 167—65.
Price, Lewis C., Jr., to Control Print Corp. Marking head assembly for code marking machines. 3,340,804, 9–12–67, Cl. 101—375.
Price, Lewis C., Jr., to Control Print Corp. Side line bottom coder. 3,359,891, 12–26–67, Cl. 101—35.
Price, Lorenzo S.: *See*—
Buker, Harvey A., and Price. 3,359,355.
Price, Lowell T., and J. S. Scoggin, to Phillips Petroleum Co. Apparatus for solvent extraction of catalyst from polymer solid. 3,347,637, 10–17–67, Cl. 23—270.
Price, Luther A.: *See*—
Spragg, Hal R., Price, and Wooldridge. 3,352,238.
Price, Merton: *See*—
Gomez, Richard R., and Price. 3,302,828.

Price, Michael S. T. : *See—*
Bentolila, Jacques, Dubief, and Price. 3,322,866.
Price, Nathan A., Jr., to Henderson, Lindsay & Michaels, Inc. Production control device. 3,305,958, 2–28–67, Cl. 40—68.
Price, Paul B., and R. M. Walker, to General Electric Co. Molecular sieves and methods for producing same. 3,303,-085, 2–7–67, Cl. 161—109.
Price, Paul B., and R. M. Walker, to General Electric Co. High level radiation dosimeter having a sheet which is permeable to damage track producing particles. 3,335,278, 8–8–67, Cl. 250—83.1.
Price, Peter : *See—*
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Price-Pfister Brass Mfg. Co. : *See—*
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Price, Ralph E., and E. R. Dunn, to Landis Tool Co. Spindle aligning indicator. 3,299,581, 1–24–67, Cl. 51—165.
Price, Ralph E., and W. P. Flohr, Jr., to Landis Tool Co. Impregnated indexing roller for grinding wheel dressers. 3,313,285, 4–11–67, Cl. 125—11.
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Price, Robert W., to Westinghouse Electric Corp. Electrically operated switch having improved armature and linkage means. 3,309,636, 3–14–67, Cl. 335—155.
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Price, Russell W., to H. Zimmon. Conductive covering for shoes. 3,359,658, 12–26–67, Cl. 36—7.1.
Price-Stephens, Douglas, to The Ford Motor Co. Motor vehicle suspension. 3,333,654, 8–1–67, Cl. 180—73.
Price, Tom B., to Texaco Inc. Off-shore drilling. 3,324,943, 6–13–67, Cl. 166—.6.
Price, Warren H., to Jacobsen Mfg. Co. Power unit and implement attachment. 3,334,429, 8–8–67, Cl. 37—43.
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Price, William B. Floor treating apparatus. 3,344,453, 10–3–67, Cl. 15—50.
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Price, William L., and H. E. Dykeman, to Dravo Corp. Barge unloader. 3,356,232, 12–5–67, Cl. 214—14.
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Prichard, Roy, to International Telephone and Telegraph Corp. High-speed all-relay pulse counter. 3,348,204, 10–17–67, Cl. 340—168.
Prichard, William W., to E. I. du Pont de Nemours and Co. Method of reducing the severity of influenza virus infections. 3,317,387, 5–2–67, Cl. 167—65.
Prichard, William W., to E. I. du Pont de Nemours and Co. Adamantanes and tricyclo [4.3.1.1.3.8] undecanes. 3,352,-912, 11–14–67, Cl. 260—563.
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Prichodjko, Alexander, to Telefunken Patentverwertungs-G.m.b.H. Navigation and position plotting system. 3,328,565, 6–27–67, Cl. 235—150.27.
Prichodjko, Alexander, A. Simianer, and H. Hipp, to Telefunken Patentverwertungs G.m.b.H. Navigation and position finding system, operating on the transit time principle, for producing parallel positional planes. 3,303,500, 2–7–67, Cl. 343—103.
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Prickett, Robert L., and K. S. Mazdiyasni. An adjustable offset collimator for use on X-ray powder cameras. 3,310,675, 3–21–67, Cl. 250—105.
Prickett, Robert L., J. R. Fenter, and V. R. Robinson, to United States of America, Air Force. Universal X-ray crystallography camera with specific means for movably supporting a specimen in the X-ray beam path. 3,340,396, 9–5–67, Cl. 250—51.5.
Prickett, Robert L., T. P. Janus, and W. A. Wolk, to United States of America, Air Force. X-ray crystallography camera having plural nested rotatable eccentric sleeves in one wall through which a tiltable specimen holder extends. 3,350,-560, 10–31–67, Cl. 250—51.5.
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Woods, John P., Neitzel, and Prickett. 3,345,499.
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Prickett, Tom, Jr., and J. P. Woods, to Atlantic Refining Co. Method and means for eliminating crossover frequencies from a continuous wave seismogram. 3,303,458, 2–7–67, Cl. 340—15.5.
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Priddy, Jack N., to General Motors Corp. Connecting rotor coil leads to slip rings by using tubular, rotor containing terminals. 3,355,801, 12–5–67, Cl. 29—598.
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Prindle, Hershel B., and T. H. Chandler, to The Dow Chemical Co. Bacteria-resistant latices containing α,α′-azobis (chloroformamidine). 3,317,448, 5–2–67, Cl. 260—29.6.
Prindle, Hershel B., R. R. Langner, and T. H. Chandler, to The Dow Chemical Co. Bacteria-resistant latices containing 2-2′-azobis (chloroformamidine). 3,325,436, 6–13–67, Cl. 260—29.7.
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Reuland, George T., and Coward. 3,332,877.
Procter & Gamble Co., The : *See*—Continued
Sanford, Lawrence H., and Sisson. 3,301,746.
Seiden, Paul. 3,298,837.
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Sisson, Names B. 3,303,576.
Smith, George C., Jr. 3,318,817.
Squire, James R. 3,325,034.
Squire, James R. 3,338,448.
Sutphin, Richard A. 3,357,072.
Theile, Kenneth W., Wyness, and McCarty. 3,321,538.
Thompson, James E. 3,337,596.
Tillotson, Charles C., and James. 3,303,896.
Walker, Arthur P. 3,332,876.
Ward, Norman E. 3,336,967.
Wilson, Eugene R. 3,338,838.
Wootton, James C., and Baur. 3,360,533.
Wosaba, Charles L., II. 3,337,388.
Yoke, John T., III, and Laughlin. 3,304,263.
Yoke, John T., III, and Laughlin. 3,304,330.
Zimmerer, Roger E. 3,351,558.
Procter, Reginald H., and F. H. W. Sanders, to English Drilling Equipment Co. Ltd. Hydraulic piston and cylinder combinations. 3,302,535, 2–7–67, Cl. 92—52.
Procter, Samuel A., ½ to F. M. Swett. Analog-to-digital converter. 3,343,156, 9–19–67, Cl. 340—347.
Proctor, Albert E., to Airoil Burner Co. (G.B.) Ltd. Valve and burner manifold arrangement. 3,295,584, 1–3–67, Cl. 158—75.
Proctor, Basil A. : *See*—
Morley, John G., and Proctor. 3,303,006.
Proctor, Dale D. : *See*—
Bray, Thomas L., Cofer, Proctor, and Ward. 3,318,364.
Bray, Thomas L., Cofer, Proctor, and Ward. 3,331,431.
Cofer, Daniel B., Proctor, and Ward. 3,322,184.
Cofer, Daniel B., Proctor, and Ward. 3,333,624.
Cofer, Daniel B., Proctor, Ward, and Bray. 3,331,539.
Cofer, Daniel B., Ward, and Proctor. 3,296,682.
Cofer, Daniel B., Ward, and Proctor. 3,317,994.
Proctor, Edward A. Piles. 3,332,247, 7–25–67, Cl. 61—53.
Proctor, Edward A. Safety seats for vehicles. 3,337,260, 8–22–67, Cl. 296—65.
Proctor, Herbert W., to United Shoe Machinery Corp. Stepping motor with a flexible rotor. 3,331,974, 7–18–67, Cl.
Proctor Hydro-Set Co. : *See*—
Brewin, Grant H., and Scott. 3,355,074.
Proctor, Ian, Metal Masts Ltd. : *See*—
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Lauretti, Piacentino. 3,358,307.
Proctor, Lester D. Beverage container counter device. 3,336,665, 8–22–67, Cl. 30—6.1.
Proctor, Noel B.: *See*—
Wood, Fenton M., and Proctor. 3,295,362.
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Wood, Fenton M., and Proctor. 3,321,959.
Wood, Fenton M., and Proctor. 3,332,278.
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Ballard, Samuel S., Proctor, and Barry. 3,309,649.
Proctor, Robert W., to The Cross Co. Dual rate indexing system for machine tools. 3,301,374, 1–31–67, Cl. 198—19.
Proctor, Ronald R., and R. G. Moyer, to Union Oil Co. of California. Method and apparatus for converting cartograph coordinates to permanent digital form. 3,304,612, 2–21–67, Cl. 33—1.
Proctor, Russell C., and R. W. Parrish, to Conch International Methane Ltd. Means for maintaining the substitutability of LNG. 3,302,416, 2–7–67, Cl. 62—45.
Proctor, Russell C., and R. W. Parrish, to Conch International Methane Ltd. Method for liquefying and storing natural gas and controlling the B.t.u. content. 3,331,214, 7–18–67, Cl. 62—20.
Proctor & Schwartz, Inc. : *See*—
Flaith, George D., and Hoffman. 3,324,570.
Flaith, George D., and Hoffman. 3,341,949.
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Franklin, John J., and Thygeson. 3,308,556.
Proctor, Sidney E., to Austin Hoy and Co. Ltd. Coal cutter picks and pick boxes therefor. 3,297,365, 1–10–67, Cl. 299—92.
Proctor, Sidney E., to Austin Hoy and Co., Ltd. Cutter tools and tool-boxes therefor. 3,330,601, 7–11–67, Cl. 299—92.
Proctor-Silex Corp., The : *See*—
Fagan, John C. 3,333,084.
Manship, Luther P., Turner, and Zamiska. 3,323,441.
Manship, Luther P., Turner, and Zamiska. 3,333,087.
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McCreery, Lawrence, and Marks. 3,340,997.
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Porter, Alvin J., and Mathison. 3,326,426.
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Production Experts, Inc. : *See*—
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Stevens, Howard A. 3,338,009.
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Claus, Jacques. 3,314,755.
Cosnard, Jean C. 3,333,316.
Hardouin, Serge, and Salmon. 3,338,567.
Maestre, Marcel, Lefebvre, and Kaziz. 3,356,610.
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Meiller, Francois. 3,357,952.
Petit, Roland, Kaziz, and Wetroff. 3,330,876.
Raoul, Pierre. 3,357,943.
Renault, Daniel A. M. H. 3,349,039.

Proebster, Walter E., to International Business Machines Corp. Magnetic transfer circuit. 3,327,295, 6–20–67, Cl. 340—174.

Proell, Wayne A., to Standard Oil Co. Process and composition for CO_2 generation from Ag_2CO_3 and C. 3,347,629, 10–17–67, Cl. 23—150.

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Prohaska, Raymond, to C. Washburn. Display device and reflective elements therefor. 3,318,187, 5–9–67, Cl. 88—24.

Prohofsky, Leroy A.: *See*—
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Prohofsky, Leroy A., and R. J. Bergman. Mated-film element with single vertical word line. 3,354,445, 11–21–67, Cl. 340—174.

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Wyse, David S. and Kienker. 3,307,143.

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Rentschler, Waldemar T., Starp, and Weller. 3,338,145.
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Pronzati, Attilio. Safety device for ski-boot coupling. 3,326,-567, 6–20–67, Cl. 280—11.35.

Proops, William R., to Union Carbide Corp. Oxidized stannous acylates. 3,336,351, 8–15–67, Cl. 260—414.

Proops, William R., C. W. McGary, Jr., and D. R. Montgomery, to Union Carbide Corp. Epoxide compositions. 3,328,318, 6–27–67, Cl. 260—2.

Properzi, Ilario. Continuous casting wheel, with improved cooling device. 3,346,038, 10–10–67, Cl. 164—278.

Properzi, Ilario. Machine for coiling continuously supplied tape. 3,360,211, 12–26–67, Cl. 242—80.

Propper Mfg. Co., Inc.: *See*—
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Speelman, Irving A. 3,303,903.
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Speelman, Irving A. 3,348,627.
White, James C. 3,341,238.

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Propst, Robert L., to Herman Miller, Inc. Crop thinner. 3,315,753, 4–25–67, Cl. 172—96.

Propst, Robert L., to Herman Miller, Inc. Shelf forming carton. 3,346,318, 10–10–67, Cl. 312—330.

Propster, Charles H., Jr., to General Electric Co. Electronic data processor. 3,311,885, 3–28–67, Cl. 340—172.5.

Propster, Charles H., Jr., to General Electric Co. Print-out control systems. 3,356,997, 12–5–67, Cl. 340—172.5.

Pro-Putt, Inc.: *See*—
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Prosceno, Harry A., V. H. Schrader, and S. E. Zeis, to Joseph Bancroft & Sons Co. Apparatus for making variably bulked yarn. 3,353,241, 11–21–67, Cl. 28—1.

Prosen, Gildo G.: *See*—
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Prosen, Stanley P.: *See*—
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Kinzie, James E., Pross, Steves, and Trostrud. 3,331,-954.
Kinzie, James E., Pross, Steves, and Trostrud. 3,340,513.

Prosser, David G., to Autotrol Corp. Timing control. 3,302,-467, 2–7–67, Cl. 74—3.5.

Prosser, David G., to Autotrol Corp. Adjustable constant flow valve. 3,322,145, 5–30–67, Cl. 137—517.

Prosser, Lionel E., and C. J. Saunders, to The British Hydromechanics Research Association. Pipeline network simulator. 3,359,652, 12–26–67, Cl. 35—10.

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Prostel, Edward: *See*—
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Protective Packaging, Inc.: *See*—
Zant, Fred. 3,315,491.

Protein Foundation, Inc.: *See*—
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Protiva, Miroslav: *See*—
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Protiva, Miroslav, J. Jílek, J. Metyšová, I. Ernest, K. Pelz and E. Adlerová, to SPOFA, Spojene podniky pro zdravotnickou vyrobu. 10,11-dihydro dibenzo[b,f]thiepins. 3,351,-599, 11–7–67, Cl. 260—268.

Proto, John J.: *See*—
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Juda, Walter. 3,336,153.

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Clements, Clarence J., Jr. 3,301,955.
Clements, Clarence J., Jr., and Leaf. 3,349,763.

Protzman, Thomas F., and J. A. Wagoner, to A. E. Staley Mfg. Co. Gelatinized starch products. Re. 26,256, 8–29–67, Cl. 127—71.

Protzman, Thomas F., J. A. Wagoner, and A. H. Young, to A. E. Staley Mfg. Co. Process of casting amylose films. 3,344,216, 9–26–67, Cl. 264—93.

Protzmann, Donald E.: *See*—
Whitaker, Joe M., and Protzmann. 3,318,086.

Proud, Norman T., to Paul Segaert Pty. Ltd. Construction and erection of framing members. 3,345,794, 10–10–67, Cl. 52—731.

Proud, Ralph A., Jr.: *See*—
O'Brien, Richard C., and Proud. 3,339,470.

Proud, Ralph A., Jr., to Harris-Intertype Corp. Tabulation and leader insertion for phototypesetting system. 3,357,327, 12–12–67, Cl. 95—45.

Proud, Ralph A., Jr., and R. C. O'Brien, to Harris-Intertype Corp. Spacer control for phototypesetting system. 3,307,-459, 3–7–67, Cl. 95—4.5.

Proudfoot, Don A. Plywood panel construction. 3,316,684, 5–2–67, Cl. 52—615.

Proudlove, Frank W., to British Aircraft Corp. (Operating) Ltd. Gun pod enclosing a gun and a cartridge tank connected by a cartridge chute enclosed in a pylon connecting the pod to an aircraft. 3,352,207, 11–14–67, Cl. 89—37.5.

Proulx, Eugene H., to The Hilliard Corp. Filter cartridge. 3,360,133, 12–26–67, Cl. 210—492.

Proulx, Jean. Suction box cover. 3,360,429, 12–26–67, Cl. 162—363.

Proulx, Romeo T., to VISIrecord, Inc. Divider panel. 3,329,-150, 7–4–67, Cl. 129—16.7.

Proulx, Romeo T., to VISIrecord, Inc. Cabinet construction for office equipment. 3,346,315, 10–10–67, Cl. 312—255.

Proulx, Romeo T., to VISIrecord, Inc. Filing system. 3,358,-692, 12–19–67, Cl. 129—16.

Proulx, Romeo T., to VISIrecord, Inc. Caster brake. 3,358,-792, 12–19–67, Cl. 188—29.

Prout, Aaron E.: *See*—
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Prout, William E., E. R. Russell, and H. J. Groh, Jr., to United States of America, Atomic Energy Commission. Removal of cesium from aqueous solutions by ion exchange. 3,296,123, 1–3–67, Cl. 210—38.

Proutiere, Louis A.: *See*—
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Provance, Jason D.: *See*—
Kelley, Lawrence W., Lewis, and Provance. 3,360,386.

Provaznik, Bohumil, to Ceskoslovenske energeticke zavody. Pole climber. 3,340,961, 9–12–67, Cl. 182—134.

Provence, Herbert H.: *See*—
McKittrick, James L., and Provence. 3,341,000.

Provenza, Johnny P. Measuring dispenser. 3,358,886, 12–19–67, Cl. 222—158.

Provincial Engineering Ltd.: *See*—
Sheridan, Eric, and Graham. 3,330,590.

Provisor, Henri, to North American Philips Co. Inc. Method of providing a black layer on a metal object. 3,326,648, 6–20–67, Cl. 29—194.

Provisor, Henri, to North American Philips Co., Inc. Method of producing black, metal-containing surface layers. 3,342,-634, 9–19–67, Cl. 117—223.

Provisor, Henri, and G. Lapluye, to North American Philips Co. inc. Method of passivating supports for semiconductor sulphides, selenides and tellurides. 3,357,857, 12–12–67, Cl. 117—213.

Provost, John R., Jr., to Miller Falls Co. Reversible brush and brush holder arrangement. 3,308,321, 3–7–67, Cl. 310—239.

Provost, Richard H.: *See*—
Bartlo, John S., and Provost. 3,353,332.

Prow, Harold J., Jr., to International Telephone and Telegraph Corp. Umbilical connector lock mechanism. 3,335,-391, 8–8–67, Cl. 339—45.

Prowinsky, Joseph H. Bird feeder. 3,301,217, 1–31–67, Cl. 119—51.

Prox, Frank, Co., Inc.: *See*—
Prox, Robert F., Jr. 3,351,386.

Prox, Robert F., Jr., to Frank Prox Co., Inc. Retainer for coal cutter bits. 3,351,386, 11–7–67, Cl. 299—92.

Proximity Controls, Inc.: *See*—
Wolford, Byron F. 3,349,203.

Prucha, Carl T.: *See*—
Harwood, Frank S., Prucha, and Dorst. 3,329,240.

Prucha, Carl T., to Turnbull Elevator Ltd. Fire door restraining devices. 3,325,941, 6–20–67, Cl. 49—7.

Pruckmayr, Gerfried, to E. I. du Pont de Nemours and Co. Amide-ester isomers. 3,349,061, 10–24–67, Cl. 260—47.

Pruckner, Hermann E., and R. F. M. Schanze, to Flachscroste Berching G.m.b.H. Fodders or fodder concentrates. 3,340,-065, 9–5–67, Cl. 99—2.

Pruden, David H., and D. Schoenthaler, to Western Electric Co. Inc. Methods of bonding electrical conductors to electrical components. 3,302,277, 2–7–67, Cl. 29—407.

Prudential Lighting Corp.: *See*—
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Prud'homme, John W., J. R. Robertson, and R. C. Fisher, to The Rucker Co. Transloader. 3,309,065, 3–14–67, Cl. 254—172.

Prud'homme, John W., and T. J. Reynolds, to The Rucker Co. Hydropneumatic cable tensioner. 3,314,657, 4–18–67, Cl. 254—189.

Prue, Walter W. Cover wrapping and trimming machine. 3,300,801, 1–31–67, Cl. 12—49.1.

Prueter, Donald A., to General Motors Corp. Ball return means for ball nut and screw means. 3,327,551, 6–27–67, Cl. 74—424.8.

Pruett, Roy L., to Union Carbide Corp. Aliphatic polyether substituted ferrocene. 3,322,804, 5–30–67, Cl. 260—439.

Pruett, William T., to United States of America, Army. Specimen holding device for tensile test apparatus. 3,344,-662, 10–3–67, Cl. 73—103.

Pruim Fred: *See*—
Aleksa, Peter, and Pruim. 3,310,008.

Pruitt, Cary H. Automotive circuit protector. 3,316,473, 4–25–67, Cl. 320—61.

Pruner, Harold W., to Barnes Mfg. Co. Flexible coupling. 3,355,910, 12–5–67, Cl. 64—14.

Pruonto, Gene M., and C. W. Bickel. Electric receptacle guard. 3,335,390, 8–8–67, Cl. 339—39.

Prus, Victor, to Bois, McCay & Associates Ltd. Building structure. 3,337,999, 8–29–67, Cl. 52—2.

Prussak, Jacob, to Maurice Demont. Compensating play device for the braking of rotating members such as shafts, pulleys and the like. 3,356,190, 12–5–67, Cl. 188—171.

Prussiano, Frank H., 50% to B. Delia. Door lock drilling and mortising device. 3,327,573, 6–27–67, Cl. 77—62.

Prussin, Samuel, and E. T. Margolis, to Rexall Drug and Chemical Co. Method of relieving gastrointestinal distress with tributyl phosphate. 3,326,754, 6–20–67, Cl. 167—55.

Prutton Corp.: *See*—
Prutton, Howard D. 3,327,569.

Prutton, Daniel H. Form-rolling machine. 3,296,845, 1–10–67, Cl. 72—100.

Prutton, Howard D., to Prutton Corp. Thread rolling dies and methods of making them. 3,327,569, 6–27–67, Cl. 76—107.

Pruvot, Francois C., to TRW Inc. Valve. 3,358,711, 12–19–67, Cl. 137—596.

Pruzhiner, Victor L.: *See*—
Zhadaev, Valentin G., Kuznetsov, Morozova, Byderovyskij, Maliovanov, Novikova, Novskij, Fominov, Pruzhiner, Agevnin, and Grishin. 3,305,272.

Prybil, John T., to Vapor Corp. Heat exchanger coil assembly. 3,349,842, 10–31–67, Cl. 165—163.

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Pryce, Vaughn K. Detachable handles. 3,297,349, 1–10–67, Cl. 294—2.

Pryce, Vaughn K. Detachable handles. 3,342,517, 9–19–67, Cl. 294—16.

Pryde, Alexander W. H., to the Minitser of Aviation in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Stirring devices. 3,326,534, 6–20–67, Cl. 259—144.

Pryde, Everett H., J. C. Cowan, and D. J. Moore, to United States of America, Agriculture. Derivatives of methyl 9,9-dimethoxynonanoate. 3,330,840, 7–11–67, Cl. 260—340.9.

Prym, William, Werke K.G.: *See*—
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Pryor, Barbara. Portable combination nail polish and polish remover holder and applicator. 3,341,884, 9–19–67, Cl. 15—523.

Pryor, Cabell N., to United States of America, Navy. Digital correlation system having an adjustable impulse generator. 3,303,335, 2–7–67, Cl. 235—181.

Pryor, Cabell N., Jr., to United States of America, Navy. Polarity sampled averaging device. 3,344,262, 9–26–67, Cl. 235—183.

Pryor, Clyde R.: *See*—
Hollingsead, Robert A. 3,325,773.

Pryor, Harry H.: *See*—
Holstein, Alvin W., Pryor, Short, and Kessler. 3,338,153.

Pryor, James J. Self-draining soap rest or tray. 3,343,774, 9–26–67, Cl. 248—346.1.

Pryor, John A.: *See*—
Bolez, Carl A., and Pryor. 3,359,744.
Hvizdos, Leonard J., and Pryor. 3,338,061.

Pryor, John A., to Air Products and Chemicals, Inc. Methods for separating mixtures of normally gaseous materials. 3,319,429, 5–16–67, Cl. 62—28.

Pryor, Joseph E., to Athens Plow Co. Wheeled tandem disc harrow. 3,297,097, 1–10–67, Cl. 172—595.

Pryor, Michael J.: *See*—
Broverman, Irwin, and Pryor. 3,347,714.
Caule, Elmer J., Pryor, and Sperry. 3,341,369.

Pryor, Michael J., to Olin Mathieson Chemical Corp. Process for making hollow articles by differential heat treatment. 3,354,531, 11–28–67, Cl. 29—157.3.

Pryor, Paul D.: *See*—
Lewis, Richard, and Pryor. 3,329,113.

Pryor, Richard L.: *See*—
Amemiya, Hiroshi, Mayhew, and Pryor. 3,319,233.

Pryor, Robert C.: *See*—
Katz, Howard M., and Pryor. 3,315,725.

Pryor, Robert C., to Phillips Petroleum Co. Process and apparatus for heating particulate solids in a rotary kiln. 3,336,019, 8–15–67, Cl. 263—33.

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Przybilla, Rudolf, to E. I. du Pont de Nemours and Co. Apparatus for coating webs. 3,333,568, 8–1–67, Cl. 118—50.

Przyborowski, Stanislaus. Radiators. 3,298,432, 1–17–67, Cl. 165—153.

Przybyla, Franciszek: *See*—
Kelly, Francis J., and Przybyla. 3,348,976.

Przybylko, Stephen J., to United States of America, Air Force. Vortex analog speed sensor. 3,342,196, 9–19–67, Cl. 137—36.

Przybylowicz, Edwin P., and A. D. Baitsholts, to Eastman Kodak Co. Thin-layer chromatographic chamber and support device. 3,318,451, 5–9–67, Cl. 210—198.

Przybylski, Bruno: *See*—
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Przybylski, Daniel F., to The Warner & Swasey Co. Material handling apparatus. 3,358,859, 12–19–67, Cl. 214—138.

Przybylski, Daniel F., W. M. Shook, L. H. Kline, and R. E. Rice, to The Warner & Swasey Co. Material handling apparatus. 3,329,291, 7–4–67, Cl. 214—141.

Przybyszewski, Adam W., to Zenith Radio Corp. Wave-signal translating apparatus. 3,356,969, 12–5–67, Cl. 333—76.

Pschera, Karl J., to United States of America, Army. Method for manufacturing metal-coated gaskets and the like. 3,313,716, 4–11–67, Cl. 204—38.

Psenka, Joseph A., to National Broach & Machine Co. Pot broach. 3,332,129, 7–25–67, Cl. 29—95.1.

Psihas, James: *See*—
Levy, Joseph, and Psihas. 3,326,981.

Ptacek, James F.: *See*—
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Ptacek, James F., J. W. Howard, E. B. Offutt, and R. E. Patterson, to The Vendo Co. Optical detection and comparison apparatus for currency changing machine. 3,356,992, 12–5–67, Cl. 340—149.

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Quinto, Mario J. Slide valve. 3,342,205, 9–19–67, Cl. 137—375.
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Quisenberry, Richard K., and E. A. Pacofsky, to E. I. du Pont de Nemours and Co. Block copolyesters containing sulfonate radicals. 3,317,632, 5–2–67, Cl. 260—860.
Quisling, Sverre. Clothes hangers. 3,323,697, 6–6–67, Cl. 223—91.
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Quittner, George F., to API Instruments Co. Dual channel flaw detector having phase comparison feedback for automatic balancing. 3,340,400, 9–5–67, Cl. 250—219.
Quittner, Leonard. Fireplace canopies. 3,297,018, 1–10–67, Cl. 126—142.
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Raab, Harry F., Jr., M. J. Galper, D. H. Jones, G. H. Conley, and W. H. Hannum, to United States of America, Atomic Energy Commission. Seed-blanket converter-recycle breeder reactor. 3,351,532, 11–7–67, Cl. 176—17.
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Raasch, Hans, and W. Kupper, to Walter Reiners. Method and apparatus for readying the winding operation of yarn supply coils on coil winding machines. 3,295,775, 1–3–67, Cl. 242—35.5.
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Raasch, Maynard S., to E. I. du Pont de Nemours and Co. Selected 4-hexafluoroisopropylidene-2,2-bis(hydrocarbyl)-1,3-dithietanes and derivatives. 3,337,586, 8–22–67, Cl. 260—327.
Raasch, Maynard S., to E. I. du Pont de Nemours and Co. Selected 2 - arylimino-4-hexafluoroisopropylidene-1,3-dithietanes and their preparation. 3,355,446, 11–28–67, Cl. 260—152.
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Raba, Joseph W. Directional attack reading machine. 3,328,-898, 7–4–67, Cl. 35—35.
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Rabe, Peter, to H. Maltner, G.m.b.H. Lighter with guide arrangement. 3,326,019, 6–20–67, Cl. 67—4.
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Baron, Joseph J., Jr., and Rakus. 3,345,352.

Raleigh Industries Ltd.: *See*—
Gordon, John M. 3,311,277.
Toplis, John G. 3,299,745.

Raleigh, John S. Draft tube impeller. 3,329,409, 7–4–67, Cl. 259—97.

Raleigh, Norman G., Jr., 10% to L. E. Wahlen. Button retainer. 3,349,447, 10–31–67, Cl. 24—90.

Raley, Charles F., to The Dow Chemical Co. Composition comprising a chlorinated olefin rubber and an ethylene copolymer. 3,326,833, 6–20–67, Cl. 260—28.5.

Raley, Charles F., Jr., to The Dow Chemical Co. Process for the chloromethylation of aromatic hydrocarbons. 3,311,602, 3–28–67, Cl. 260—93.5.

Raley, Garland E., to Ethyl Corp. Annular die. 3,296,662, 1–10–67, Cl. 18—14.

Raley, Garland E., to Union Carbide Corp. Apparatus for melt extrusion of multi-wall plastic tubing. 3,354,506, 11–28–67, Cl. 18—14.

Rall, Dieter L., and R. A. Whitmore, to Hy-Cal Engineering. Thermal instrumentation apparatus. 3,328,558, 6–27–67, Cl. 219—209.

Rallis, John: *See*—
Philbin, John J., and Rallis. 3,354,567.

Ralph, Harold C. A., and C. W. May, to Hawker Siddeley Dynamics Ltd. Aircraft undercarriages. 3,335,811, 8–15–67, Cl. 180—79.2.

Ralph, Russell G.: *See*—
Coberly, Clarence J. and C., Jr., and Ralph. 3,307,631.

Ralphs, George T., and H. A. Boddy, to Ralphs Unified Ltd. Apparatus for lasting footwear. 3,358,335, 12–19–67, Cl. 18—34.

Ralphs Unified Ltd.: *See*—
Ralphs, George T., and Boddy. 3,358,335.

Ralston, Paul H., to Calgon Corp. Method of inhibiting precipitation and scale formation. 3,336,221, 8–15–67, Cl. 210—58.

Ralston, Paul H., to Calgon Corp. Inhibiting salt deposition. 3,341,453, 9–12–67, Cl. 252—8.55.

Ralston, Paul H., to Calgon Corp. Dissolving rock salt containing calcium sulfate in the presence of an anionic organic wetting agent. 3,353,927, 11–21–67, Cl. 23—312.

Ralston Purina Co.: *See*—
Hale, Douglas, Lanz, and James. 3,297,731.
Kirkpatrick, Edwin C., and Neely. 3,356,119.
Lanz, George T. 3,359,115.
Torr, David. Re. 26,182.

Ralston, Robert E., Y. L. Ko, and G. W. Stackhouse, to P. R. Mallory & Co., Inc. Rechargeable cell and method of making a depolarizing electrode therefor. 3,310,436, 3–21–67, Cl. 136—6.

Ralston, W., & Co. (Canada) Ltd.: *See*—
McColgan, Arnold J. 3,300,120.
McColgan, Arnold J. 3,352,214.

Ralton, Theodore. Mechanical key holder. 3,328,986, 7–4–67, Cl. 70—456.

Ram Engineering Corp.: *See*—
Agostini, Dominic J. and G. L. 3,346,940.

Ram, Gerson L., and R. G. Salamon, to Board of Trustees of Schools for Industrial Education of Newark, New Jersey, Administering Newark College of Engineering. Process for purifying colloidal particles for subsequent structural analysis with an electron microscope. 3,319,063, 5–9–67, Cl. 250—49.5.

Rama Corp.: *See*—
Simmons, Ray L. 3,310,769.
Simmons, Raymond L. 3,307,135.

Ramadan, Montaz A., to Zenith Radio Corp. Remote control system using a pair of semiconductor switches to effect directional current flow in a control device. 3,299,334, 1–17–67, Cl. 318—16.

Raman, Kizhanathan R., and S. N. Bragg. Cooking apparatus. 3,339,480, 9–5–67, Cl. 99—421.

Ramanathan, Visvanathan: *See*—
Rhyner, Paul, and Ramanathan. 3,347,844.

Ramanathan, Visvanathan, to Ciba Ltd. 1-amino-4-hydroxy-2-(cyano- and cyanoalkyl-phenoxy)-anthraquinones. 3,329,692, 7–4–67, Cl. 260—380.

Rambar Corp.: *See*—
McKirnan, Robert A. 3,350,930.

Rambelle, Robert D. Shoring member for use as temporary support of concrete slabs. 3,336,708, 8–22–67, Cl. 52—309.

Rambelle, Robert D. Adjustable shoring member. 3,356,330, 12–5–67, Cl. 248—354.

Ramberg, Edward G., to Radio Corp. of America. Electron multiplier having resistive secondary emissive surface which is adapted to sustain a potential gradient, whereby successive multiplication is possible. 3,321,660, 5–23–67, Cl. 313—103.

Rambo, Eivind M.: *See*—
Beebe, James R., and Rambo. 3,298,545.

Rambold, Herbert H. Method of preparing turkey product. 3,347,680, 10–17–67, Cl. 99—107.

Ramborian, Jacob S.: *See*—
Harriman, Allen C. 3,343,191.

Rambosek, George M., to Minnesota Mining and Mfg. Co. water dispersible glycidyl ether of poly(bisphenol A) ether of polyethylene glycol. 3,297,519, 1–10–67, Cl. 162—164.

Ramco, Inc.: *See*—
Lundbom, Wallace N. 3,314,249.

Ramcon Corp.: *See*—
Raymond, Frank J., Jr. 3,303,299.
Raymond, Frank J., Jr. 3,334,859.

Rameau, Rene, to CSF-Compagnie Generale de Telegraphie Sans Fil. Automatic frequency control system for side-band receivers. 3,331,025, 7–11–67, Cl. 325—419.

Ramello, Piero: *See*—
Costabello, Dino, Forni, and Ramello. 3,308,167.

Ramelson, Samuel. Lint remover. 3,343,194, 9–26–67, Cl. 15—104.

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Ramén, Torsten. 3,303,877.

Ramén, Torsten, to Ramén Corp. a.b. Heat exchanger. 3,303,877, 2–14–67, Cl. 165—154.

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Ramey, Lawton: *See*—
Willbrandt, Franklin M., and Ramey. 3,327,453.

Ramey, Lyle M.: *See*—
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Campbell, Robert W., Sawyer, Ruff, Kirk, Ramey, and Worrell. 3,320,565.

Ramey, Robert A.: *See*—
Travis, Lawrence R., and Ramey. 3,296,577.

Ramey, Robert M., and R. G. Purdy, to A. L. Miller. Water heating and storage system. 3,316,894, 5–2–67, Cl. 126—362.

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Machold, Alfred O. K., Nehring, and Ramm. 3,307,623.

Rammelt, Peter P.: *See*—
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Ramniceanu, Tiberiu J. Cooling fan and lighting fixture for automobile ceilings. 3,305,168, 2–21–67, Cl. 230—249.5.

Ramo, Oliver H., to Abington Textile Machinery Works. Load cell for crushing rolls. 3,310,244, 3–21–67, Cl. 241—101.

Ramoneda, Louis V. Simulated brick structure. 3,304,673, 2–21–67, Cl. 52—220.

Ramoneda, Louis V., and R. F. Mestayer, Jr. Braking system. 3,321,052, 5–23–67, Cl. 188—152.

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Barnes, Creighton D., Ramont, Drew, and Smith. 3,329,940.

Ramos, Thomas, to United States of America, Navy. Curing system for polyurethanes comprising 1,4-butanediol diglycidyl ether and 4,4′-methylenebis-(2-chloroaniline). 3,316,220, 4–25–67, Cl. 260—77.5.

Ramoska, John W.: *See*—
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Ramp, Floyd L., to The B. F. Goodrich Co. Preparation of polyamides from substituted diprimary alcohols, ethers or esters and dinitriles. 3,296,218, 1–3–67, Cl. 260—78.

Rampacek, Carl, J. S. Browning, and T. L. McVay, to United States of America, Interior. Process for washing and removing organic heavy liquids from mineral particles. 3,347,370, 10–17–67, Cl. 209—172.

Rampe, John F. Apparatus for orbital finishing. 3,300,908, 1–31–67, Cl. 51—163.

Rampe, John F. Finishing apparatus. 3,318,051, 5–9–67, Cl. 51—163.

Rampe, John F. Finishing apparatus. 3,337,997, 8–29–67, Cl. 51—163.

Rampe, John F. Vibratory finishing apparatus. 3,339,316, 9–5–67, Cl. 51—163.

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Wackher, Richard C., and Ramquist. 3,340,316.

Ramsay, Alan J., to Minneapolis-Honeywell Regulator Co. Apparatus responsive to the occurrence of a stationary valve in the magnitude of an electrical potential. 3,359,431, 12–19–67, Cl. 307—88.5.

Ramsay, Alan J., and W. K. Bottomley, to Minneapolis-Honeywell Regulator Co. Apparatus for providing a visual record of the integral of an electrical signal. 3,360,636, 12–26–67, Cl. 235—92.

Ramsay, Leonard D. Planter including a seed orienting assembly. 3,329,310, 7–4–67, Cl. 221—266.

Ramsay, Marcus, to Olin Mathieson Chemical Corp. Power-actuated piston tool. 3,338,141, 8–29–67, Cl. 92—30.

Ramsay, Marcus, to Olin Mathieson Chemical Corp. Breech seal for firearms utilizing caseless ammunition. 3,354,780, 11–28–67, Cl. 89—26.

Ramsdell, William H., to The Youngstown Sheet and Tube Co. Bearing assembly. 3,336,091, 8–15–67, Cl. 308—36.1.

Ramsden, Hugh E.: *See*—
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Ramsden, Hugh E., to Esso Research and Engineering Co. Magnesium and tin derivatives of fused-ring hydrocarbons and the preparation thereof. 3,354,190, 11–21–67, Cl. 260—429.7.

Ramsden, Hugh E., and J. E. Engelhart, to Esso Research and Engineering Co. Magnesium and tin derivatives of styrenes and the preparation thereof. 3,351,646, 11–7–67, Cl. 260—429.7.

Ramsel, Charles A., to Caterpillar Tractor Co. Transmission. 3,347,113, 10–17–67, Cl. 74—688.

Ramsey, Cecil L.: *See*—
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Goodrich, Charles B., Manilla, Ramsey, and Hanewald. 3,314,787.

Ramsey Corp.: *See*—
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McCormick, Harold E. 3,336,913.
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Vosika, Eugene A., and Schaaf. 3,307,670.

Ramsey, Harold E.: *See*—
Billingsley, John G. S., Ramsey, and Stephan. 3,295,290.

Ramsey, James E. Method for applying color to bread dough. 3,344,753, 10–3–67, Cl. 107—54.

Ramsey, James E., Jr., and D. F. Wright, to Westinghouse Electric Corp. Magnetically-supported-rotor devices. 3,309,152, 3–14–67, Cl. 308—10.

Ramsey, Joseph D. Resilient bumpers for vehicles. 3,311,397, 3–28–67, Cl. 293—84.

Ramsey, Joseph R., Jr. Chandelier light fixture. 3,300,635, 1–24–67, Cl. 240—78.

Ramsey, Lee W., ½ to H. A. Scott. Plant compressing and guiding system for mechanical cotton pickers. 3,336,736, 8–22–67, Cl. 56—47.

Ramsey, Melvin A., to Worthington Corp. Oil separator. 3,304,697, 2–21–67, Cl. 55—459.

Ramsey, Paul W., to Harnischfegea Corp. Welding method with controlled rectifier welding power source. 3,349,219, 10–24–67, Cl. 219—131.

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Ramsey, Stancil I. Silk screen printing machine. 3,318,237, 5–9–67, Cl. 101—124.

Ramsey, Thomas H., Jr., to Texas Instruments Inc. Integrated circuitry having discrete regions of semiconductor material isolated by an insulating material. 3,341,743, 9–12–67, Cl. 317—101.

Ramsey, Thomas H., Jr., and S. B. Rice, Jr., to Texas Instruments Inc. Dielectrics with conductive portions and method of making same. 3,296,359, 1–3–67, Cl. 174—68.5.

Ramseyer, Robert, to Brevets Aero-Mecaniques S.A. Gun training mechanism with trigger. 3,306,166, 2–28–67, Cl. 89—41.

Ramseyer, Robert, to Brevets Aero-Mecaniques S.A. Auxiliary control of a gun firing mechanism. 3,306,167, 2–28–67, Cl. 89—132.

Ramsing, Robert E. V., to Sierra Electric Corp. Electrical receptacle with strap interlock. 3,310,770, 3–21–67, Cl. 339—14.

Ramsing, Robert E. V., to Sierra Electric Corp. Grounded electrical receptacles. 3,327,277, 6–20–67, Cl. 339—14.

Ramsing, Robert E. V., and F. K. Bourhenne, to Sierra Electric Corp. Electric toggle switch. 3,300,605, 1–24–67, Cl. 200—67.

Ramspeck, Howard B., to Fastener Corp. Fastener driving tool. 3,353,453, 11–21–67, Cl. 91—356.

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Rand Corp., The: *See*—
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Rand, Jimmy J. Physical conditioning treadmill apparatus. 3,332,683, 7–25–67, Cl. 273—55.

Rand, Walter L., and L. E. Zouch, to Electric & Musical Industries Ltd. Apparatus for automatic production of gramophone records. 3,329,997, 7–11–67, Cl. 18—5.3.

Rand, William W., to Pike Corp. of America. Subaqueous drilling apparatus. Re. 26,290, 10–31–67, Cl. 166—.6.

Rand Mines Ltd.: *See*—
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Randak, Alfred, and H. Lentzen, to Stahlwerke Sudwestfalen Aktiengesellschaft. Deep drawing of stainless steels, and steel therefor. 3,309,238, 3–14–67, Cl. 148—12.

Randall, Alan A., to Courtaulds Ltd. Synthetic polypeptides of an L-imino acid and an L-amino acid. 3,331,814, 7–18–67, Cl. 260—78.

Randall, Billie D. Aerated live bait container. 3,323,249, 6–6–67, Cl. 43—57.

Randall, David G.: *See*—
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Freyermuth, Harlan B., and Randall. 3,341,279.

Randall, David I., and H. B. Freyermuth, to General Aniline & Film Corp. Light-sensitive two-component diazotype materials adapted for heat development. 3,326,686, 6–20–67, Cl. 96—91.

Randall, David I., and C. H. Chang, to General Aniline & Film Corp. Method for preparing diether sulfones. 3,330,-870, 7–11–67, Cl. 260—607.

Randall, Don: *See*—
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Randall, George B. Electric kiln. 3,350,493, 10–31–67, Cl. 13—22.

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Randall, James H.: *See*—
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Randall, Max. Apparatus for preventing the overturning of conveyor-carried objects. 3,310,159, 3–21–67, Cl. 198—162.

Randall, Nathan A., and A. E. Gruel, to Allis-Chalmers Mfg. Co. Brazing tool. 3,333,082, 7–25–67, Cl. 219—85.

Randall, Ralph R., to Dualoc Engineering Co. Differential mechanism. 3,342,084, 9–19–67, Cl. 74—711.

Randall, Robert: *See*—
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Randall, Walter H., to Keyes Fibre Co. Reversible molding machine. 3,320,120, 5–16–67, Cl. 162—391.

Randazzo, Marion G. Dispensing closure and container. 3,326,402, 6–20–67, Cl. 215—40.

Randol, Glenn T. Automatic carburetion interrupter for internal-combustion engines. 3,299,872, 1–24–67, Cl. 123—102.

Randol, Glenn T. Automotive spring-engageable clutch with uniform operating control. 3,314,511, 4–18–67, Cl. 192—68.

Randol, Glenn T. Dual-cylinder hydraulic actuator for automotive clutch and brake control. 3,321,055, 5–23–67, Cl. 192—13.

Randol, Glenn T. Hydraulic power-assisted master brake cylinder. 3,345,817, 10–10–67, Cl. 60—54.6.

Randolah Mfg. Co.: *See*—
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Randolph, Albert M.: *See*—
Davis, John R., Nuttall, and Randolph. 3,323,132.

Randolph, August: *See*—
Gotze, Johannes, Randolph, and Riester. 3,314,796.

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Randorf, Willard, to Ranco Industrial Products Corp. Roof spray gun kit. 3,342,369, 9–19–67, Cl. 220—4.

Randrup, Benjamin F. Indexing device. 3,355,856, 12–5–67, Cl. 53—76.

Ranebo, Per H. Devices for exploiting the flue gas heat in the flue of a hot water boiler. 3,295,503, 1–3–67, Cl. 122—20.

Ranes, George O.: *See*—
Pursiano, Leonard C., Cohen, and Ranes. 3,350,709.

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Range, Dell R. Method of resetting filter beds. 3,333,694, 8–1–67, Cl. 210—80.

Range, Walter K., Jr., and E. E. Tompkins, to Esso Research and Engineering Co. Rust preventive composition. 3,343,-971, 9–26–67, Cl. 106—14.

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Ranhagen, Ernst G. R. and E. G. 3,353,752.

Ranhagen, Ernst G. R. and E. G., to Aktiebolaget Karlstads Mekaniska Werkstad. Device for the screening of liquids. 3,317,051, 5–2–67, Cl. 210—332.

Ranhagen, Ernst G. R. and E. G., to Aktiebolaget Karlstads Mekaniska Werkstad. Liquid spraying or screening device. 3,353,752, 11–21–67, Cl. 239—538.

Ranheim, John W. Vacuum-type circuit interrupter. 3,355,-564, 11–28–67, Cl. 200—144.

Raniszewski, Josef, to Zaklady Sprzetu Budowlanego Nr 2. Vibrohammer. 3,302,470, 2–7–67, Cl. 74—61.

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Baldwin, John L. E. 3,328,710.
Baldwin, John L. E., and Parkyn. 3,297,884.
Baldwin, John L. E., and Parkyn. 3,309,615.

Rank Organisation, The, Rank Taylor Hobson Division: *See*—
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Rank Organisation Ltd., The: *See*—
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Harris, David A. 3,300,727.
Huntley, Keith G. 3,313,883.
Rawstron, George O., and Foster. 3,350,785.
Reason, Richard E., and Barringer. 3,307,100.
Stillwell, Peter F. T. C., and Greaves. 3,315,377.

Rank Precision Industries Ltd.: *See*—
Barr, John D., and Clifford. 3,347,985.
Chapman, Alan. 3,351,411.
Plummer, Dexter R. 3,296,883.
Spragg, Robert C. 3,313,149.
Taylor, Frank N. 3,328,602.

Rank Radio and Television Ltd.: *See*—
Davis, Edwin J. 3,307,974.

Rank, Wolfgang, to Loewe Opta G.m.b.H. Playback of high-frequency signals recorded on a magnetic tape. 3,309,460, 3–14–67, Cl. 178—6.6.

Rank, Wolfgang, to Loewe Opta Aktiengesellschaft. Video transducing apparatus with tape tensioning lever. 3,317,-679, 5–2–67, Cl. 179—100.2.

Rank, Wolfgang, to Loewe Opta Aktiengesellschaft. Adjustable guide means for a helical scan tape recorder. 3,354,-269. 11–21–67, Cl. 179—100.2.

Ranker, William T.: *See*—
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Rankin, Andrew W., to General Electric Co. Multiple pressure control valve. 3,322,153, 5–30–67, Cl. 137—630.19.

Rankin, Billy F., to Burton Parsons Chemicals, Inc. Underwater contact lens solution. 3,311,577, 3–28–67, Cl. 260—17.

Rankin, John S.: See—
Keslar, Leroy D., and Rankin. 3,311,517.

Rankin, Joseph D., Jr.: *See*—
Roberts, Simon, and Rankin. 3,343,697.

Rankin, Vern D., and J. L. and E. W. Bundick; said Rankin assor. to Auxiliary Idler Mfg. Co. Voltage regulating speed control for welders. 3,335,288, 8–8–67, Cl. 290—40.

Ranky, Bela, to The Singer Co. Time delay and frequency spectrum analyzer. 3,348,139, 10–17–67, Cl. 324—57.

Ranky, Bela, to Analyzer Design, Inc. Variable resolution constant amplitude filter. 3,348,161, 10–17–67, Cl. 330—21.

Ransburg Electro-Coating Corp.: *See*—
Drum, Edward W. 3,348,965.
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Ransburgh Electro-Coating Corp.: *See*—
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Ranseen, Agnes J.: *See*—
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Ranseen, Emil L.: *See*—
Banning, Thomas A., Jr., and Ranseen. 3,351,718.

Ransier, William D., ½ to H. M. Stewart. Inflating tires. 3,327,730, 6–27–67, Cl. 137—498.

Ransley, Charles E., to The British Aluminium Co. Ltd. Method for manufacturing solid current conducting elements. 3,314,876, 4–18–67, Cl. 204—291.

Ransley, Charles E., to British Aluminium Co. Ltd. Current conducting elements. 3,330,756, 7–11–67, Cl. 204—279.

Ransley, Derek L., to Chevron Research Co. Sulfur compounds from allene. 3,315,000, 4–18–67, Cl. 260—609.

Ransom, Donald J., E. Simon, and M. Levine, to Lockheed Aircraft Corp. Control of hydrogen embrittlement. 3,297,416, 1–10–67, Cl. 29—195.

Ransom, George E., Jr. Rotary incinerator and method of operating same. 3,306,237, 2–28–67, Cl. 110—14.

Ransom, James C. W.: *See*—
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Ransom, Robert B. Drag mechanism for fishing reel. 3,307,-799, 3–7–67, Cl. 242—84.44.

Ransomes Sims & Jefferies Ltd.: *See*—
Hauxwell, Jack, and Blacker. 3,323,651.

Ranson, Charles W. Fruit and vegetable washing device with vertical circulative flow and tangential inlet. 3,304,-063, 2–14–67, Cl. 259—18.
Ranson, Charles W. Fruit and vegetable washing device with vertical circulative flow. 3,314,659, 4–18–67, Cl. 259—4.
Ranson, John B., to Associated Automation Ltd. Tape handling devices. 3,338,489, 8–29–67, Cl. 226—50.
Rantsch, Kurt, to Zeiss, Carl,-Stiftung. Interferential length measurement device. 3,344,701, 10–3–67, Cl. 88—14.
Ranum, Rolf I.: *See*—
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Ranvier, Gaston J.-L.: *See*—
Carriere, Pierre P. A., Jumelle, Ranvier, and Richter. 3,344,884.
Jumelle, Louis F., Ranvier, and Richter. 3,344,883.
Ranvier, Gaston J.-L., and G. Richter, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Jet engine silencers with pivotal air induction tubes. 3,360,074, 12–26–67, Cl. 181—51
Ranz, James R., to The Law Blower Co. Blower. 3,339,831, 9–5–67, Cl. 230—128.
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Reding, John T., J. J. Newport, III, and J. R. Minderhout, to The Dow Chemical Co. Aluminum alloys and galvanic anodes made therefrom. 3,337,333, 8–22–67, Cl. 75—138.
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Redington, Rowland W., to General Electric Co. Electrophotographic process. 3,322,539, 5–30–67, Cl. 96—1.1.
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Redmond, William G., Jr. Moisture controlled motors system for closing automobile windows and tops. 3,307,095, 2–28–67, Cl. 318—483.

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Reed, David D., E. Moroz, and J. M. Petersen, to Texaco Inc. Alkenyl succinic anhydride-amine-P_2S_5 reaction product. 3,342,735, 9–19–67, Cl. 252—46.7.

Reed, David W., V. R. Simpson, and L. D. Zolnosky, to International Business Machines Corp. Serial on-the-fly printer using a pair of sequential type member guides. 3,355,001, 11–28–67, Cl. 197—18.

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Fairbanks, Edward R., Reed, and Toth. 3,310,650.

Reed, Edward W., Jr.: *See*—
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Reed, Frederick P., to United States of America, Army. Machine gun with a mount for reducing the recoil forces applied to the trunnions. 3,318,191, 5–9–67, Cl. 89—42.

Reed, Frederick P., to United States of America, Army. Adjustable reflector sight for high-trajectory projectiles. 3,339,450, 9–5–67, Cl. 88—1.

Reed, Frederick P., and A. J. Lizza, to United States of America, Army. Exterior feed mechanism for automatic guns. 3,320,855, 5–23–67, Cl. 89—11.

Reed, Frederick P., A. J. Lizza, and R. Meunier, to United States of America, Army. Rotary cam actuated operating rod mechanism. 3,327,587, 6–27–67, Cl. 89—161.

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Reed, Gordon H., and J. G. Vickers. Method and apparatus for lubricating magnetic recording tape. 3,319,012, 5–9–67, Cl. 179—100.2.

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Reed, Jack P. Automatic multi-channel reagent dispenser. 3,304,966, 2–21–67, Cl. 141—359.

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Reed, Leonard, and D. C. Figone, to Varian Associates. Low temperature metallizing paint and method of making same. 3,352,694 11–14–67, Cl. 106—1.

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Reed, Marietta L. Lead halter. 3,312,039, 4–4–67, Cl. 54—24.

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Reed, Martin C., to Warwick Electronics Inc. Record changer turntable cover. 3,346,262, 10–10–67, Cl. 274—39.1.

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Reed, Samuel F., Jr., to Rohm & Haas Co. Process for the preparation of difluoramino ethers. 3,346,642, 10–10–67, Cl. 260—584.
Reed, Samuel F., Jr., to Rohm & Haas Co. Difluoramino glycols and their preparation. 3,346,643, 10–10–67, Cl. 260—584.
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Reeder, Earl, A. Stempel, and L. H. Sternbach, to Hoffmann-La Roche Inc. Preparation of certain benzodiazepine compounds. 3,340,253, 9–5–67, Cl. 260—239.3.
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Foster, George B. 3,348,234.
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Hamby, Russell S. 3,348,107.
Humphrey, Andrew J. 3,320,506.
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Reller, Herman H. Rotary internal combustion engine. 3,332,-403, 7–25–67, Cl. 123—8.
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Relyea, Douglas I., to United States Rubber Co. 3-substituted amino-6-chloropyridazines as anti-oxidants for rubber. 3,296,187, 1–3–67, Cl. 260—45.8.
Relyea, James R., to Honeywell Inc. Record handling control system, 3,342,409, 9–19–67, Cl. 234—22.
Remack, Alfred R., and L. R. Gale, to The Lockformer Co. Combination sheet forming apparatus and slitter. 3,312,-095, 4–4–67, Cl. 72—203.
Remaley, Paul M. Handle and locking means. 3,298,722, 1–17–67, Cl. 287—53.
Rembold, Ulysses P., ½ to H. M. Roberts. Disintegrating type sewage disposal system. 3,318,248, 5–9–67, Cl. 103—26.
Rembrandt Tobacco Corp. (Overseas) Ltd.: *See*—
Strydom, Mauritz L. 3,336,085.
Rembrandt Tobacco Mfg. Corp. of South Africa Ltd.: *See*—
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Remeika, Joseph P., to Bell Telephone Laboratories, Inc. Process for the growth of ordered lithium ferrite. 3,305,-301, 2–21–67, Cl. 23—51.
Remer, Robert K., to Inca Inks, Inc. Ink from nylon, cresylic acid, and pigment. 3,303,160, 2–7–67, Cl. 260—33.4.
Remers, William A., and M. J. Weiss, to American Cyanamid Co. Substituted 4-oxo-4,5,6,7-tetrahydroindoles. 3,321,-486, 5–23–67, Cl. 260—326.16.
Remes, Nathaniel L., and J. J. Ventura, to M & T Chemicals Inc. Process for preparing diorgano antimony (III) carboxylates. 3,335,159, 8–8–67, Cl. 260—446.
Remes, Nathaniel L., and J. J. Ventura, to M & T Chemicals Inc. Process for preparing diorgano antimony (III) carboxylates and mercaptides. 3,340,285, 9–5–67, Cl. 260—446.
Remes, Nathaniel L., and J. J. Ventura, to M & T Chemicals Inc. Diorgano antimony (III) dithiocarbamates and the preparation thereof. 3,355,472, 11–28–67, Cl. 260—446.
Remes, Nathaniel L., and J. C. H. Hwa, to Stauffer Chemical Co. Process of preparing polymethylene sulfide. 3,356,656, 12–5–67, Cl. 260—79.
Remhof, Kurt, to Albrecht Jung elektrotechniche Fabrik. Door latch including a permanent magnet and a latching electromagnet. 3,312,492, 4–4–67, Cl. 292—201.
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Darigo, Julius, Dickey, and Reed. 3,349,711.
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Olson, Theodore A., Rickey, and Schilling. 3,332,352.
Rickey, Edward A. 3,299,813.
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Remler, Harry E., and C. J. Butke, to The Drackett Co. Germicidal toilet bowl cleaning composition. 3,318,815, 5–9–67, Cl. 252—106.
Remley, Kenneth H., and J. R. Anghinetti, to American Cyanamid Co. Aminoplast textile finish prepared by co-reacting formaldehyde, urea and aminoethanol. 3,355,430, 11–28–67, Cl. 260—70.
Remley, Winslow R., to International Business Machines Corp. Compatible single-sideband transmitter. 3,323,064, 5–30–67, Cl. 325—137.
Remley, Winslow R., to International Business Machines Corp. Transmission of information in power coded bipolar waveforms. 3,327,063, 6–20–67, Cl. 179—15.55.
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Remmert, Herman A., to W. R. Grace & Co. High pressure let-down valve. 3,329,157, 7–4–67, Cl. 137—393.
Remoleur, Jacques, to Commissariat a l'Energie Atomique. Fall-damping device for a nuclear reactor. 3,305,452, 2–21–67, Cl. 176—87.
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Russell, James E., and Shannahan. 3,345,625.
Rempel, Cornelius, and A. J. Schmitt, to Beloit Corp. Blade holding mechanism for coaters. 3,359,940, 12–26–67, Cl. 118—126.
Rempfer, Gertrude F. Electron diffraction voltmeter. 3,350,-640, 10–31–67, Cl. 324—121.
Remy, Albert A. L., to C. van der Lely, N.V. Agricultural implements. 3,314,486, 4–18–67, Cl. 172—543.
Remy, Hermann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble phthalocyanine dyestuffs and process for preparing them. 3,297,711, 1–10–67, Cl. 260—314.5.
Remy, Hermann, to Rowenta Metallwarenfabrik G.m.b.H. Gas cigarette lighter with spark ignition. 3,311,789, 3–28–67, Cl. 317—86.
Remy, Hermann, O. Adler, and M. Grunbacher, to Rowenta Metallwarenfabrik G.m.b.H. Electric ignition table-lighter. 3,305,701, 2–21–67, Cl. 317—86.
Remy, Hermann, H.-J. Berghaus, O. Adler, and M. Grunbacher, to Rowenta Metallwarenfabrik G.m.b.H. Electrically ignited lighter. 3,319,129, 5–9–67, Cl. 317—86.
Remy, Hermann, H.-J. Berghaus, O. Adler, and M. Grunbacher, to Rowenta Metallwarenfabrik G.m.b.H. Electrically ignited lighter. 3,321,671, 5–23–67, Cl. 317—85.
Remy, Nicholas D., D. P. Handwerk, D. G. Strayer, and W. E. Kurtz, to Bethlehem Steel Corp. Trailer hitch with yoke release. 3,337,170, 8–22–67, Cl. 248—119.
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Halfhill, Donald W., and Remy. 3,341,747.
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Renaudo, Samuel, to Phillips Petroleum Co. Polymerization process. 3,358,056, 12–12–67, Cl. 260—878.
Renault, Daniel A. M. H., to Produits Chimiques Pechiney-Saint-Gobain. Cleaning composition. 3,349,039, 10–24–67, Cl. 252—172.
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Rendessy, William L., 15% to Phoenix Electronics Components, Inc. Trailer hitch. 3,297,340, 1–10–67, Cl. 280—432.
Rendessy, William L., 15% to Phoenix Electronics Components, Inc. Trailer hitch apparatus. 3,311,390, 3–28–67, Cl. 280—504.
Rendina, John F., to Hewlett-Packard Co. Sampling apparatus. 3,318,154, 5–9–67, Cl. 73—422.
Rendina, John F., to Hewlett-Packard Co. Metal vapor spectral lamp with mercury and a metal halide at subatmospheric pressure. 3,319,119, 5–9–67, Cl. 315—248.
Rendina, John F., to E. I. du Pont de Nemours and Co. Apparatus for simulating daylight and artificial light. 3,355,-982, 12–5–67, Cl. 88—14.
Rene, J. Stanley, to J. Stanley Rene, Inc. Bridge. 3,295,276, 1–3–67, Cl. 52—174.
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Rene, J. Stanley. 3,295,276.
Rene, Jany, J.-P. Bourquin, G. Gamboni, and G. Schwarb, to Sandoz Ltd. N-(m-benzylthio-phenyl)-anthranilic acid. 3,358,019, 12–12–67, Cl. 260—516.
Reneckhoff, Gustav, H.-L. Huelsmann, and W. A. S. Rudolph, to Chemische Werke Witten G.m.b.H. Process for the preparation of methylterephthalic acid dimethyl-and trimellitic acid trimethyl esters. 3,326,966, 6–20–67, Cl. 260—475.
Renfrew, Edgar E., to Minnesota Mining and Mfg. Co. Electrolytic development of a subtractive color-forming photoconductive member. 3,329,590, 7–4–67, Cl. 204—18.
Renfro, John C. Arable land drainage system with storage. 3,336,755. 8–22–67, Cl. 61—11.
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Renfroe, Josh L. 3,356,406.
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Renfroe, Raymond L. 3,336,068.
Renfroe, Raymond L. 3,342,521.
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Renfroe, Lester C., deceased, by M. E. T. Renfroe, administratrix, to Safety Clamps, Inc. Plate lifting clamps. 3,300,242, 1–24–67, Cl. 294—101.
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Renfroe, Raymond L., to J. C. Renfroe & Sons, Inc. Torque grip lifting clamp. 3,342,521, 9–19–67, Cl. 294—92.
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Renish, Robert L. Capping machine. 3,350,842, 11–7–67, Cl. 53—316.
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Guggenbeger, Johann, Renkamp, Finger, and Mnilk. 3,313,093.
Renkenberger, Darrell L., and H. G. Brown. Nailless horse shoes. 3,302,723, 2–7–67, Cl. 168—4.
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Renker, Hansjörg, to George Fischer Aktiengesellschaft. Antifriction bearing, especially for journalling spindles. 3,326,-613, 6–20–67, Cl. 308—189.
Renker, Hansjorg, to Georg Fischer Aktiengesellschaft. Adjusting arrangement for machine tools. 3,343,243, 9–26–67, Cl. 29—27.
Renkey, Albert L.: *See*—
Troell, Peter T., and Renkey. 3,355,537.
Troell, Peter T., Smoot, Renkey, and King. 3,318,723.
Renkey, Albert L., to Harbison-Walker Refractories Co. Induction furnace construction. 3,347,972, 10–17–67, Cl. 13—35.
Renkowitz, Donald, to General Telephone and Electronics Laboratories, Inc. Variable linear frequency multivibrator circuit with distorted input voltage controlling the voltage sensitive frequency determining capacitor. 3,353,117, 11–14–67, Cl. 331—113.
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Rao, Koppaka V., Renn, and Marsh. 3,311,537.
Renn, Reynold J. Pickup drum apparatus having resiliently mounted pickup tines. 3,323,196, 6–6–67, Cl. 29—121.
Renn, Reynold J. Mounting for post driver. 3,326,502, 6–20–67, Cl. 248—13.
Renneker, Dennis N., to General Motors Corp. Retractable roof for automotive vehicle. 3,347,592, 10–17–67, Cl. 296—107.
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Renner, Alfred, to Ciba Ltd. Process for depolymerizing dicyclopentadiene or its methyl homologues. 3,340,315, 9–5–67, Cl. 260—666.
Renner, Alfred, and F. R. Widmer, to Ciba Ltd. Process for applying an olegomeric bis(cyclopentadienyl) resin on a wire. 3,322,572, 5–30–67, Cl. 117—232.

Renner, Alfred, U. Niklaus, and A. Von Schulthess, to Ciba Ltd. 3-pentachlorophenoxy-1-amino-propon-2-ols. 3,332,997, 7–25–67, Cl. 260—570.7.
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Jennings, Charles E., Jr. 3,331,519.
Renner, Eduard. Apparatus for taking composite pictures by photography with background projection and illumination of the object. 3,322,487, 5–30–67, Cl. 352—89.
Renner, Elmer J., to Stephens-Adamson Mfg. Co. Natural frequency vibrating feeder. 3,348,664, 10–24–67, Cl. 198—220.
Renner, Frank J. and W. M. and G. B. Food tray cart. 3,307,-895, 3–7–67, Cl. 312—295.
Renner, George B.: *See*—
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Rennick, John L., to Zenith Radio Corp. Magnetic apparatus for converging the beams of a plural gun cathode ray tube. 3,308,328, 3–7–67, Cl. 313—77.
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Anderson, Wilmer C., Rennie, and Ingenito. 3,319,185.
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Renold, Adolph, to Colgate-Palmolive Co. Paint remover composition. 3,360,472, 12–26–67, Cl. 252—170.
Renold, Walter, to The Marquardt Corp. Data strip positioning device. 3,319,051, 5–9–67, Cl. 235—61.11.
Renoux, Pierre E., to Cri-Dan. Thread-cutting machine. 3,332,305, 7–25–67, Cl. 82—5.
Renoux, Pierre E., to Cri-Dan. Thread cutting machine. 3,338,120, 8–29–67, Cl. 82—5.
Renshaw, John P. Piston stroke control mechanism. 3,301,-244, 1–31–67, Cl. 123—197.
Renshaw, John P. Engine function timing control. 3,319,-416, 5–16–67, Cl. 60—24.
Renskers, John O., to Coilcraft, Inc. Mount for circuit elements. 3,332,048, 7–18–67, Cl. 336—65.
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Renton, Colin A. Surge suppressor. 3,342,210, 9–19–67, Cl. 137—593.
Rentschler, John H., to Minnesota Rubber Co. Sealing ring and method of making same. 3,322,433, 5–30–67, Cl. 277—228.
Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic camera with setting means for exposure time and diaphragm and having an exposure meter and a cooperating resetting device. 3,314,343, 4–18–67, Cl. 95—10.
Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic camera with built-in or attached exposure meter and a manual or automatically adjustable diaphragm. 3,322,051, 5–30–67, Cl. 95—10.
Rentschler, Waldemar T., to Gauthier, Alfred G.m.b.H. Photographic camera with coupled exposure meter. 3,326,107, 6–20–67, Cl. 95—64.
Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic apparatus for exposure control. 3,339,471, 9–5–67, Cl. 95—10.
Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic camera with automatic means for setting the diaphragm in making photoflash exposures. 3,344,723, 10–3–67, Cl. 95—10.
Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic camera with distance and diaphragm aperture setting members. 3,344,727, 10–3–67, Cl. 95—64.
Rentschler, Waldemar T. Photographic camera with high speed shutter operable at small diaphragm aperture settings. 3,357,334, 12–12–67, Cl. 95—63.
Rentschler, Waldemar T., F. W. R. Starp, and E. Weller, to Pronter-Werk Alfred Gauthier G.m.b.H. Photographic camera with light meter. 3,338,145, 8–29–67, Cl. 95—10.
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Renwick, Erle B., Jr. Simulating stereophonic sound reproduction. 3,322,899, 5–30–67, Cl. 179—1.
Renwick, Frederick W., Sr. Hearing aid battery switch. 3,327,070, 6–20–67, Cl. 179—107.
Renwick, William C., to Dow Corning Corp. Thin walled collapsible aquarium. 3,316,882, 5–2–67, Cl. 119—5.
Renwick, William C., to Dow Corning Corp. Eyeglass case. 3,343,658, 9–26–67, Cl. 206—6.
Renz, Jany, J.-P. Bourquin, E. Schenker, and R. Griot, to Sandoz Ltd. (also known as Sandoz A.G.). Bacteriostatic and fungicidal composition comprising 5,7-dibromo-8-benzoyloxy-quinaldine in inert carrier. 3,298,911, 1–17–67, Cl. 167—33.
Renz, Jany, J.-P. Bourquin, G. Schwarb, and L. Ruesch, to Sandoz Ltd. (a/k/a Sandoz A.G.) Thieno-benzothiopyran derivatives. 3,306,897, 2–28–67, Cl. 260—240.
Renz, Jany, J.-P. Bourquin, and H. Winkler, to Sandoz Ltd. (also known as Sandoz A.G.). Heterocyclic compounds. 3,314,948, 4–18–67. Cl. 260—243.
Renz, Jany, J.-P. Bourquin, H. Winkler, and P. Gagnaux, to Sandoz Ltd. Process for the production of nitro-halothiophenyl ethers. 3,318,958, 5–9–67, Cl. 260—609.
Renz, Jany, J.-P. Bourquin, G. Gamboni, and G. Schwarb, to Sandoz Ltd. (also known as Sandoz A.G.). Phenothiazine derivative. 3,336,197, 8–15–67, Cl. 167—65.
Renz, Jany, J.-P. Bourquin, R. Fischer, and G. Schwarb, to Sandoz Ltd. (a.k.a. Sandoz A.G.) Phenothiazine derivatives. 3,340,258, 9–5–67, Cl. 260—243.
Renz, Jany, J.-P. Bourquin, H. Winkler, P. Gagnaux, S. Guldimann, L. Ruesch, and G. Schwarb, to Sandoz Ltd. (also known as Sandoz A.G.). Thieno-benzothiazine derivatives. 3,349,087, 10–24–67, Cl. 260—243.
Renz, Jany, J.-P. Bourquin, G. Gamboni, and G. Schwarb, to Sandoz Ltd., Applicazioni Viscosa S.p.A. N-(m-benzylthiophenyl)-anthranilic acid. 3,358,019, 12–12–67, Cl. 260—516.
Repair, Ramona M. Bow tie holder. 3,308,959, 3–14–67, Cl. 211—13.
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Repp, Fred J. Plunger-type pump. 3,356,036, 12–5–67, Cl. 103—153.
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Reppisch, Hellmut, to Dornier-Werke, G.m.b.H. Lighting system utilizing the floodlight principle. 3,302,012, 1–31–67, Cl. 240—8.16.
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Republic Industrial Corp.: *See*—
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Republic Industries, Inc.: *See*—
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Wikkerink, Lance A. 3,300,897.
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Limes, Robert W., and Russell. 3,304,187.
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Seaborg, Carl H., and Dodds. 3,313,082.
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Requena, Jorge F. Fixed shutters. 3,324,620, 6–13–67, Cl. 52—616.
Rerat, Carlos F., to Kawecki Chemical Co. Etching of tantalum and columbium foils. 3,297,555, 1–10–67, Cl. 204—141.
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Riestenberg, Eugene H., to The Central Carton Co. Display package having sliding tray. 3,326,371, 6–20–67, Cl. 206—78.
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Rigney, James A., R. B. Mason, and G. P. Hamner, to Esso Research and Engineering Co. Selective hydrocracking with a sulfur containing cadmium zeolite catalyst. 3,337,447, 8–22–67, Cl. 208—111.
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Rigsby, Lonnie D. Bale unloading clamp device. 3,325,029, 6–13–67, Cl. 214—653.
Rigterink, Raymond H., to The Dow Chemical Co. Phosphoramidothioates. 3,312,706, 4–4–67, Cl. 260—281.
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Rijnsdorp, Johannes E., to Shell Oil Co. Continuously operating superatmospheric distillation process control and apparatus therefor. 3,342,699, 9–19–67, Cl. 203—1.
Rijnsdorp, Johannes E., to Shell Oil Co. Method and apparatus for the control of a continuously operating superatmospheric distillation process. 3,342,700, 9–19–67, Cl. 203—1.
Rijnsdorp, Johannes E., to Shell Oil Co. Continuously operating superatmospheric distillation process control and apparatus therefor. 3,342,701, 9–19–67, Cl. 203—2.
Rijnsdorp, Johannes E., to Shell Oil Co. Control process and apparatus for continuously operating superatmospheric distillation. 3,342,702, 9–19–67, Cl. 203—2.
Rijnsdorp, Johannes E., to Shell Oil Co. Continuously operating superatmospheric distillation process control and apparatus therefor. 3,344,040, 9–26–67, Cl. 203—1.
Rijnsdorp, Johannes E., J. A. van Kampen, and H. Bollen, to Shell Oil Co. Apparatus for the automatic control of a continuous distillation process. 3,336,205, 8–15–67, Cl. 196—132.
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Riley, Charles P., Jr., R. Strauss, and H. R. Lasman, to National Polychemicals, Inc. Activated azodicarbonamide blowing agent compositions. 3,321,413, 5–23–67, Cl. 260—2.5.
Riley, Charles P., Jr., R. Strauss, and H. R. Lasman, to National Polychemicals, Inc. Activated azodicarbonamide. 3,340,209, 9–5–67, Cl. 260—2.5.
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Riley, George R., and T. M. Trainer, to United States of America, Army. Hand-manipulated, hydraulic digging tool. 3,330,602, 7–11–67, Cl. 299—34.
Riley, Harry L., to United Coke & Chemicals Co., Ltd. Production of electrically conducting carbon. 3,309,326, 3–14–67, Cl. 252—503.
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Riley, John E., and R. W. Smith, to Melpar, Inc. Dew collecting method and apparatus. 3,318,107, 5–9–67, Cl. 62—272.
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Bour, Stanley H., and Rimlinger. 3,340,366.
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Rinaldi, Massimo, to Industria Macchine Elettroniche-I.M.E. Circuit for displaying the decimal location in electronic type arithmetical computing devices, particularly in connection with digital data readout devices on decimal indicators. 3,358,125, 12–12–67, Cl. 235—92.
Rinaldi, Russell G., and B. B. Moore, to International Business Machines Corp. Data compression/expansion and compressed data processing. 3,310,786, 3–21–67, Cl. 340—172.5.
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Rinfret, Arthur P., C. W. Cowley, and W. J. Timson, to Union Carbide Corp. Apparatus for the preservation of biological substances. 3,344,617, 10–3–67, Cl. 62—322.
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Ringold, Howard J., E. Batres, G. Rosenkranz, O. Mancera, and A. Bowers, to Syntex Corp. 6α-chloro-17α-hydroxy progesterone and intermediates obtained in the production thereof. 3,322,796, 5–30–67, Cl. 260—397.4.
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Ristorcelli, Theodore. Combined sunglasses and hair comb. 3,338,657, 8–29–67, Cl. 351—158.
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Ritchie, David S. Photo type setting machines. 3,347,140, 10–17–67, Cl. 95—4.5.
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Rivolta, Luis A. Device for temporarily replacing an automotive vehicle road wheel. 3,317,218, 5–2–67, Cl. 280—150.

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Fast, Clarence R., Howard, and Rixe. 3,354,959.

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Rizk, Waheeb, and C. A. Keer, to The English Electric Co. Ltd. Turbines. 3,300,178, 1–24–67, Cl. 253—39.1.

Rizk, Waheeb, and R. Bolesworth, to The English Electric Co. Ltd. Turbine duct mounting installation. 3,327,476, 6–27–67, Cl. 60—39.31.

Rizzato, Francesco C. Lockable joint device for a cycle saddle mounted on an orientable saddle-holder. 3,302,970, 2–7–67, Cl. 297—195.

Rizzato, Francesco C. Bicycle with single beam frame. 3,337,240, 8–22–67, Cl. 280—278.

Rizzi, Louis H., to Raytheon Co. Pulse coupling network. 3,339,200, 8–29–67, Cl. 343—17.1.

Rizzo, Angelo J., Jr. Concealed weapon. 3,354,570, 11–28–67, Cl. 42—1.

Rizzo, George E., J. A. Veit, and J. E. Ludick. Strip map holder and viewer. 3,325,933, 6–20–67, Cl. 40—86.

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Rizzo, Louis D., to Danlin Mfg. Co. Disposable rotary brush spacer ring. 3,300,805, 1–31–67, Cl. 15—181.

Rjabov, Vladimir R., D. M. Rabkin, and A. V. Lozovskaja, to Institute Elektrosvarki Imeni E. O. Patona. Method of weld-jointing aluminum and aluminium alloys with steel. 3,341,680, 9–12–67, Cl. 219—73.

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Roach, Erskine E., to H. L. Brown. Gas lift valve. 3,306,313, 2–28–67, Cl. 137—102.

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Roach, Francis S. Positive drive differential. 3,335,623, 8–15–67, Cl. 74—711.

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Roach, Thomas J., to International Rectifier Corp. Housing for a three terminal semiconductor device having two insulation tube sections. 3,299,327, 1–17–67, Cl. 317—234.

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Robarge, Robert E., to The Meadowbrook Co. Apparatus for injecting into water softening systems. 3,308,955, 3–14–67, Cl. 210—139.

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Robb, Walter L., to General Electric Co. Process for the separation or enrichment of gases. 3,350,844, 11–7–67, Cl. 55—16.

Robb, Walter L., to General Electric Co. Separation apparatus and method for its operation. 3,351,203, 11–7–67, Cl. 210—65.

Robb, Walter L., and D. L. Reinhard, to General Electric Co. Gas separation by differential permeation. 3,335,545, 8–15–67, Cl. 55—16.

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Robbins, Alex, to Standard Systems Communications Corp. Combination pillow speaker and control unit. 3,342,285, 9–19–67, Cl. 181—31.

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Robbins, Beulah M. Open weave anti-slip glove. 3,341,861, 9–19–67, Cl. 2—163.

Robbins, Daniel H., and V. M. Corrado, to Eltra Corp. Justification information computer and tape perforator for photocomposing machines. Re. 26,144, 1–24–67, Cl. 234—7.

Robbins, Daniel T., to JFTJ Corporation. Easy-open envelope. 3,297,235, 1–10–67, Cl. 229—85.

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Robbins, Davis B. Material handling apparatus. 3,311,223, 3–28–67, Cl. 198—220.

Robbins, Floyd B., to General Electric Co. Data transmission system with control character insertions. 3,307,152, 2–28–67, Cl. 340—172.5.

Robbins, George E., to Nicholson Mfg. Co. Remotely controllable force mechanism for rotary-ring log barkers. 3,333,615, 8–1–67, Cl. 144—208.

Robbins, George T., and R. L. Ware. Wooden pole having plastic pole top cover with preservative. 3,352,581, 11–14–67, Cl. 287—20.95.

Robbins, Harry, to Bell & Howell Co. Resistance oriented semiconductor strain gage with barrier isolated element. 3,337,780, 8–22–67, Cl. 317—234.

Robbins, Harry A. Display rack. 3,323,657, 6–6–67, Cl. 211—178.

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Robbins, Louis. Debris separator for aircraft gas turbine engines. 3,302,395, 2–7–67, Cl. 60—39.09.

Robbins, Louis. Debris separator for aircraft gas turbine engine. 3,302,396, 2–7–67, Cl. 60—39.09.

Robbins, Max L., and M. W. Hill, to Esso Research and Engineering Co. Preparation of colloidal carbonates in hydrocarbon media. 3,342,733, 9–19–67, Cl. 252—33.

Robbins, Max L., and J. H. Schulman, to Esso Research and Engineering Co. Microemulsions in liquid hydrocarbons. 3,346,494, 10–10–67, Cl. 252—33.2.

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Robbins, Saul. Figurine having improved inertia characteristics. 3,310,907, 3–28–67, Cl. 46—156.

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Roberts, Albert, I. Hawkes, and F. T. Williams. Photoelastic stress indicating devices. 3,313,205, 4–11–67, Cl. 88—14.

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Roberts, Arthur H. Interchangeable luggage-chair structure. 3,309,134, 3–14–67, Cl. 297—17.

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Roberts, Carleton W., and D. H. Haigh, to The Dow Chemical Co. Halophenoxy norbornenes. 3,359,328, 12–19–67, Cl. 260—612.

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Roberts, Donald E. Vibratory finishing apparatus. 3,315,417, 4–25–67, Cl. 51—163.

Roberts, Donald E. Vibratory burnishing system with metered feed. 3,353,796, 11–21–67, Cl. 259—2.

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Roberts, Edward M., G. P. Claxton, and F. G. Fallon, to Richardson-Merrell Inc. Heterocyclic derivatives of triphenylethylenes, triphenylethanes and triphenylethanols. 3,316,272, 4–25–67, Cl. 260—294.7.

Roberts, Edward S., to Treadwell Corp. Recovery of copper from low-grade copper sulfide ores. 3,303,021, 2–7–67, Cl. 75—105.

Roberts, Edward S., to The Treadwell Corp. Recovery of copper. 3,321,303, 5–23–67, Cl. 75—106.

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Roberts, George L., Jr., and R. G. Fessler, to American Cyanamid Co. Quaternary ammonium complexes with heteropolyanions. 3,346,604, 10–10–67, Cl. 260—429.
Roberts, George S., to Ethyl Corp. Multiple pipeline. 3,336,943, 8–22–67, Cl. 137—594.
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Roberts, John A., to General Electric Co. Leak detector. 3,323,350. 6–6–67, Cl. 73—40.7.
Roberts, John A., to General Electric Co. Leak detector probe with integral flow indicator. 3,329,008, 7–4–67, Cl. 73—40.7.
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Roberts, Robert E., to Fred T. Roberts & Co. Reinforced hose construction and method of making the same. 3,349,806, 10–31–67, Cl. 138—122.
Roberts, Royal N., and V. M. Lubieniecki, to Morris Machine Works. Pump priming control. 3,316,850, 5–2–67, Cl. 103—113.
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Roberts, William J., to Celanese Corp. of America. Compositions containing a polyterephthalamide and a hydrocarbon-substituted sulfonic acid, and process utilizing the same in making shaped articles. 3,322,824, 5–30–67, Cl. 260—30.8.
Roberts, William J., to Eltra Corp. Spark generating circuit having a voltage doubler and solid state control components. 3,349,284, 10–24–67, Cl. 315—223.
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Roberts, William J., J. DiPietro, and C. L. Smart, to Celanese Corp. Preparation of modified polymers. 3,328,362, 6–27–67, Cl. 260—79.3.
Roberts, William J., C. L. Smart, and J. Di Pietro, to Celanese Corp. Preparation of organic sulfonic compounds. 3,337,615, 8–22–67, Cl. 260—513.
Roberts, William L., to United States Steel Corp. Time-temperature age register for electrical insulation. 3,301,058, 1–31–67, Cl. 73—339.
Roberts, William L., to United States Steel Corp. Can having a tear strip closure. 3,318,495, 5–9–67, Cl. 222—541.
Roberts, William L., to United States Steel Corp. Method and apparatus for cutting material. 3,319,053, 5–9–67, Cl. 235—151.1.
Roberts, William L., to United States Steel Corp. Method and apparatus for acoustically determining the size of cast ingots. 3,324,716, 6–13–67, Cl. 73—149.
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Roberts, William L., to United States Steel Corp. Method and apparatus for rolling strip. 3,332,292, 7–25–67, Cl. 72—8.

Roberts, Winston J., to E. I. du Pont de Nemours and Co. Textile material comprising an acrylonitrile polymer coated with a terpolymer of an acrylic ester, a vinyl ester and a crosslinking monomer. 3,303,050, 2–7–67, Cl. 117—138.8.

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Beck, Roland D., and Houser. 3,336,766.
Beck, Roland D., and Palmer. 3,353,452.
Bello, Edward L. 3,340,373.
Brakebill, Harold G. 3,332,440.
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Forbes, James A. 3,339,087.
Forte, Francis J. 3,304,001.
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Golden, Robert L. 3,333,070.
Good, Arthur L. 3,302,879.
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Moonan, Donald F. 3,327,085.
Morgan, David L. 3,320,965.
Mueller, Klaus P. 3,295,544.
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Robertson, Jesse E. Ball hitch construction. 3,307,857, 3–7–67, Cl. 280—511.

Robertson, John A., to Deering Milliken Research Corp. Draw frame stop motion apparatus. 3,310,844, 3–28–67, Cl. 19—.25.

Robertson, John A. L., to Atomic Energy of Canada Ltd. Nuclear reactor fuel. 3,354,044, 11–21–67, Cl. 176—68.

Robertson, John D., to Mount Hope Machinery Co. Roll with means for removing longitudinal curvature. 3,328,866, 7–4–67, Cl. 29—116.

Robertson, John R., to The North British Rubber Co. Ltd. Seat cushions. 3,330,600, 7–11–67, Cl. 297—454.

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Robillard, Jean J. Electro-catalytic photography. 3,355,290, 11–28–67. Cl. 96—1.5.

Robillard, Jean J. A. Positive to positive reproduction process and copy sheet for use therein. 3,309,198, 3–14–67, Cl. 96—1.

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Lunsford, Carl D., and Cale. 3,301,758.
Lunsford, Carl D., and Cale. 3,301,759.
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Robins, Charles T., and W. W. Goodnow, to I-T-E Circuit Breaker Co. Electromagnetic structure with low reluctance U-shaped pole means. 3,344,375, 9–26–67, Cl. 335—174.

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Loukes, David G., and Robinson. 3,356,475.

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Robinson, Albert S., to Pilkington Bros. Ltd. Apparatus for supporting a ribbon of glass on a molten metal bath with glass ribbon heel flow means. 3,351,452, 11–7–67, Cl. 65—182.

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Robinson, Billie. Stepladder accessory. 3,318,416, 5–9–67, Cl. 182—214.

Robinson, Cecil A., and L. Younger, Jr. Earth working attachment tool and fastener structure therefor. 3,305,955, 2–28–67, Cl. 37—145.

Robinson, Cecil H., to Schering Corp. 17α-halogenoethylestranes. 3,347,880, 10–17–67, Cl. 260—397.5.

Robinson, Cecil S., and W. J. Crake, to Robintech Inc. Lubricating and load-carrying pad for railway car center bearings and the like. 3,346,302, 10–10–67, Cl. 308—137.

Robinson, Charles C., to Ives (Engineers) Ltd. Hand brace for wheel nuts having an angularly adjustable U-crank arm. 3,348,436, 10–24–67, Cl. 81—177.9.

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Rothfuss, William J., Robinson, and Emus. 3,314,675.

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Robinson, Elbert W., to The Congregation of the Sisters of Charity of the Incarnate Word, Inc. Infant resuscitator. 3,313,295, 4–11–67, Cl. 128—30.

Robinson, Elbert W., J. A. Miller, and L. H. Hudson. Pulmonary resuscitator with electrical control system. 3,333,581. 8–1–67, Cl. 128—30.2

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Robinson, Glen: *See*—
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Robinson, Glen P., Jr., to Scientific-Atlanta, Inc. Resealable package closure. 3,335,939, 8–15–67, Cl. 229—43.

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Robinson, Harold C.: *See*—
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Robinson, Herbert T., to Eastman Kodak Co. Slide tray indexing mechanism. 3,319,370, 5–16–67, Cl. 40—79.

Robinson, Horace M., to Monsanto Co. Process for the preparation of dyeable acrylonitrile polymer fibers and compositions thereof. 3,300,272, 1–24–67, Cl. 8—100.

Robinson, Horace M., Jr.: *See*—
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Robinson, Hugh G., to Varian Associates. Optically pumped atomic diffusion maser with separate pumping and observation regions. 3,350,632, 10–31–67, Cl. 324—.5.

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Robinson, Jacques D., to Monsanto Co. Vinyl halide polymer compositions. 3,334,060, 8–1–67, Cl. 260—33.6.

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Robinson, John C. Livestock watering device. 3,357,406, 12–12–67, Cl. 119—73.
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Robinson, Leland P., to Friden, Inc. Printer having type dish rotatable in a plane parallel to the printing line. 3,356,199, 12–5–67, Cl. 197—54.
Robinson, Leon. Custom footwear having an inner surface molded to the foot of a wearer. 3,325,919, 6–20–67, Cl. 36—2.5.
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Robinson, Melville W., Jr., C. Steelman, Jr., and E. Perkins, Jr., to Dravo Corp. Process for continuous pickling of steel strip and regeneration of the contact acid. 3,310,435, 3–21–67, Cl. 134—3
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Robinson, Norman E., to Brown & Sharpe Mfg. Co. High speed steel. 3,330,652, 7–11–67, Cl. 75—126.
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Robinson, Peter, to Raytheon Co. Diversity combiners. 3,305,781, 2–21–67, Cl. 325—305.
Robinson, Peter M., to Dunlop Rubber Co. Belting. 3,297,513, 1–10–67, Cl. 161—57.
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Robinson, Ralph M., Abbott-Laboratories. Process for making tertiary amines. 3,314,952, 4–18–67, Cl. 260—247.
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Robinson, Richard G. Tire traction aid. 3,314,466, 4–18–67, Cl. 152—237.
Robinson, Richard H., to Labconco. Apparatus for measuring dissolved oxygen in water. 3,313,720, 4–11–67, Cl. 204—195.
Robinson, Richard H., to Westinghouse Electric Corp. Method and apparatus for determining the amounts of gases dissolved in liquids. 3,319,159, 5–9–67, Cl. 324—30.
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Robinson, Robert C.: *See*—
Noren, Saul, and Robinson. 3,303,265.
Robinson, Robert C., to Westinghouse Electric Corp. Dynamoelectric machine having means for reducing torque and inrush current. 3,335,308, 8–8–67, Cl. 310—211.
Robinson, Robert E.: *See*—
Szymanski, Walter A., Robinson, and Talbot. 3,360,490.
Robinson, Robert E., to Stauffer Chemical Co. Preparation of molybdenum di- and trihalides. 3,298,778, 1–17–67, Cl. 23—87.
Robinson, Roderick K., and A. B. Haese, to Consolidated Papers, Inc. Pour spout carton. 3,344,972, 10–3–67, Cl. 229—17.
Robinson, Russell O., to Dominion Electric Corp. Electric driving unit for operating a knife or the like. 3,337,954, 8–29–67, Cl. 30—272.
Robinson, Russell S. Two-wheeled utility trailers for cycles. 3,347,559, 10–17–67, Cl. 280—204.
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Robinson, Stephen J., R. Levy, and R. N. Alcock, to North American Philips Co., Inc. Bearing and frequency measuring system. 3,333,271, 7–25–67, Cl. 343—113.
Robinson, Thomas L., to Cornell Aeronautical Laboratory, Inc. Panel using intrinsic of carrier-injection electroluminescence usable in an image converter. 3,312,825, 4–4–67, Cl. 250—213.
Robinson, Travillis B., to Voss Engineering Co. Apparatus for shearing, welding and planishing metal strips. 3,307,764, 3–7–67, Cl. 228—5.
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Robinson, William A. Firearm having a collar for cleaning the seat of an internally sealed breech block. 3,359,857, 12–26–67, Cl. 89—25.
Robinson, William C., R. L. Heestand, and C. F. Leitten, Jr., to United States of America, Atomic Energy Commission. One-step method of converting uranium hexafluoride to uranium compounds. 3,331,666, 7–18–67, Cl. 23—347.
Robinson, William H., to Armstrong Cork Co. Combination acoustical and lighting fixture. 3,353,016, 11–14–67, Cl. 240—51.11.
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Robinson, William R. Ice cream container stabilizing clamp. 3,354,515, 11–28–67, Cl. 24—81.
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Robinson, William T., and E. H. Sund, to E. I. du Pont de Nemours and Co. Selective absorption of gaseous hydrocarbons with hexafluoroisopropyl alcohol. 3,333,399, 8–1–67, Cl. 55—56.
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Robison, Roger L., to United States of America, Navy. Adjustable wire fabric weapon securing apparatus. 3,336,643, 8–22–67, Cl. 24—270.
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Roblin, Mervyn G. G., to Hydraulic Developments Ltd. Method of preparing fertilizer and agricultural stock feed from manure. 3,331,676, 7–18–67, Cl. 71—21.
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Robson, Harry E., to Esso Research and Engineering Co. Process for producing synthetic faujasite having a high silica to alumina ratio. 3,343,913, 9–26–67, Cl. 23—113.
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Rodner, Robert A., to Radio Corp. of America. Pulse generator employing a controlled oscillator driving a series of gates and each being controlled by external timing signals. 3,320,539, 5–16–67, Cl. 328—62.

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Rodriguez, Jose M., and A. R. Soneira. Slit-rim liners. 3,315,683, 4–25–67, Cl. 129—1.

Rodriguez, Martinez, to L'Aluminum Francais. Anodic oxidation of aluminum and of its alloys. 3,341,435, 9–12–67, Cl. 204—58.

Rodriquez, Timoteo, to Continental Oil Co. Cap wire catcher. 3,339,486, 9–5–67, Cl. 102—22.

Rodwell, Stanley W., to Crucible Steel Co. of America. Furniture-leg construction. 3,322,384, 5–30–67, Cl. 248—188.

Rodwick, Frank P., to Knopp-Monarch Co. Motor housing assembly using strain relief as fastener. 3,310,692, 3–21–67, Cl. 310—71.

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Roe, Edward T., D. A. Konen, and D. Swern, to United States of America, Agriculture. Chain substituted higher fatty acids. 3,308,140, 3–7–67, Cl. 260—404.
Roe, James W., to Basic Products Corp. Magnetic structures. 3,312,132, 4–4–67, Cl. 83—32.
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Roe, Ralph C., and J. Lichtenstein, to Saline Water Conversion Corp. Multi-cell flash distillation. 3,330,739, 7–11–67, Cl. 202—173.
Roe, William P., and W. J. Lantz, to American Smelting and Refining Co. Galvanized ferrous article. 3,320,040, 5–16–67, Cl. 29—196.5.
Roeber, Rodney W., to Peerless Photo Products, Inc. Processing mechanism. 3,301,156, 1–31–67, Cl. 95—89.
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Roedder, Edwin W., to United States of America, Interior. Device for sensing thermal gradients. 3,344,669, 10–3–67, Cl. 73—339.
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Roeder, John C. Solvent applicator for cleaning automotive carburetors. 3,338,564, 8–29–67, Cl. 261—18.
Roediger, Joseph C., to Esso Research and Engineering Co. Construction of asphalt overlays on rigid, concrete pavements. 3,340,780, 9–12–67, Cl. 94—9.
Roediger, Joseph C., to Esso Research and Engineering Co. Asphalt-copolymer paper laminating composition. 3,344,101, 9–26–67, Cl. 260—28.5.
Roedl, Kurt, to General Dynamics Corp. System for locating the end of a sync period by using the sync pulse center as a reference. 3,309,463, 3–14–67, Cl. 178—69.5.
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Roemer, Erich. Method and device for rolling thinwall bearings. 3,317,987, 5–9–67, Cl. 29—149.5.
Roemer, Ralph R. Fluid pressure operable device and control device. 3,299,634, 1–24–67, Cl. 60—52.
Roemisch, Allen V. Highway marker device. 3,355,998, 12–5–67, Cl. 94—1.5.
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Roesch, Christian, to Maust Machinery Corp. Roller leveling. 3,327,509, 6–27–67, Cl. 72—162.
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Roeske, Eugene A., to Emerson Electric Co. Hydraulic circuit. 3,356,032, 12–5–67, Cl. 103—42.
Roeske, Paul W., A. Vary, V. J. Grebe, and J. A. Prioletti, to United States of America, National Aeronautics and Space Administration. Inductive liquid level detection system. 3,326,043, 6–20–67, Cl. 73—290.
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Roethlisberger, Jerry M., and E. R. Wagner, to General Motors Corp. Drive shaft with limited torsional resilience. 3,320,771, 5–23–67, Cl. 64—27.
Roethlisberger, Jerry M., and R. V. MacDonald, to General Motors Corp. Brake pedal height adjusting and ratio changing mechanism. 3,338,348, 8–29–67, Cl. 188—152.
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Smith, Noyes D., Jr., and Roever. 3,357,001.
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Rogal, Edward. Multiple selective device. 3,357,558, 12–12–67, Cl. 209—110.
Rogallo, Francis M. Target kite. 3,296,617, 1–3–67, Cl. 343—18.
Rogallo, Francis M., and W. C. Sleeman, Jr., to United States of America, National Aeronautics and Space Administration. Control for flexible parawing. 3,310,261, 3–21–67, Cl. 244—44.
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Roger, Raul. Actuating structure for controlling a telephone switch button. 3,299,209, 1–17–67, Cl. 179—1.
Rogero, Jean. Electrical snap switch with improved guide means. 3,329,784, 7–4–67, Cl. 200—67.
Rogero, Jean. Electric switches. 3,339,041, 8–29–67, Cl. 200—67.
Rogers, Albert P., to Brunswick Corp. Automatic pinsetter wih drive modifying means. 3,301,557, 1–31–67, Cl. 273—42.
Rogers, Arthur O., to E. I. du Pont de Nemours and Co. Hydantoin products and processes for the preparation thereof. 3,296,208, 1–3–67, Cl. 260—67.5.
Rogers, Benjamin T., Jr., to The Regents of the University of California. Optical plumb for a transit having a telescope such that the telescope can view through a compass at a point below the transit. 3,324,758, 6–13–67, Cl. 88—2.2.
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Quaas, Joseph F., and Rogers. 3,345,495.
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Rogers, Charles E., to The Babcock & Wilcox Co. Chemical and heat absorbing apparatus. 3,349,546, 10–31–67, Cl. 55—227.
Rogers, Charles E., and J. F. Quaas, to Eutectic Welding Alloys Corp. Aluminum bronze welding electrode. 3,327,091, 6–20–67, Cl. 219—146.
Rogers, Charles E., and J. F. Quaas, to Eutectic Welding Alloys Corp. Nickel arc welding electrode. 3,328,557, 6–27–67, Cl. 219—146.
Rogers, Charles E., and J. F. Quaas, to Eutectic Welding Alloys Corp. Cast iron electrode. 3,345,496, 10–3–67, Cl. 219—146.
Rogers, Charles H. Adjustable garden chart. 3,316,668, 5–2–67, Cl. 40—117.
Rogers, Charles H., F. E. Kronenberg, A. B. Olson, and T. J. Hebner, to Caterpillar Tractor Co. Brake lining and cooling means. 3,347,345, 10–17–67, Cl. 188—264.
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Rogers, Clarence L., Jr., and C. A. Ripley, Jr., to United States of America, Navy. Variable pulse width regulated power supply. 3,341,765, 9–12–67, Cl. 321—2.
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Abell, Jerrold J., and Virkus. 3,349,046.
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Rogers, Dilworth T., and J. C. Munday, to Esso Research and Engineering Co. Strong water resistant asphalt solid compositions and process of manufacture. 3,330,677, 7–11–67, Cl. 106—281.
Rogers, Dow A., Jr., and L. W. Frost, to Westinghouse Electric Corp. Binder for fibrous materials. 3,342,763, 9–19–67, Cl. 260—21.
Rogers, Edward A., to Wilkinson Sword Ltd. Pivotally connected members. 3,343,260, 9–26–67, Cl. 30—248.
Rogers, Edward F., to Merck & Co., Inc. 2-(4-cyclohexylcyclohexyl)-3-hydroxy-1,4-naphthoquinone in controlling coccidiosis in poultry. 3,347,742, 10–17–67, Cl. 167—53.1.
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Rogers, Edwin J., to United States of America, Atomic Energy Commission. Means for equalizing two output signals. 3,329,822, 7–4–67, Cl. 250—209.
Rogers, Francis E., to E. I. du Pont de Nemours and Co. Polyamide-acids and polyimides from hexafluoropropylidine bridged diamine. 3,356,648, 12–5–67, Cl. 260—47.
Rogers, Francis W., J. E. Lee, and R. N. Smith, to American Machine & Foundry Co. Electrodialysis apparatus having endless membrane belt. 3,340,177, 9–5–67, Cl. 204—301.
Rogers, Gerson G., to Philadelphia Insulated Wire Co. Method of forming products extruded from plastic material. 3,303,252, 2–7–67, Cl. 264—174.
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Rogers, Howard G., to Polaroid Corp. Photographic products and processes. 3,295,970, 1–3–67, Cl. 96—29.
Rogers, Howard G., to Polaroid Corp. Photographic product and process. 3,316,090, 4–25–67, Cl. 96—29.
Rogers, Howard G., R. W. Young, and D. C. Mendelsohn, to Polaroid Corp. Photographic diffusion transfer processes utilizing an imidazole and an image-receiving element containing a polymeric acid layer. 3,353,956, 11–21–67, Cl. 96—29.
Rogers, James G., and N. L. Moulin, to United States of America, Army. Radiation sensitive high resolution optical tracker. 3,346,738, 10–10–67, Cl. 250—203.
Rogers, James R. Pressure response by-pass valve for heat exchange systems. 3,302,696, 2–7–67, Cl. 165—37.
Rogers, James W., deceased, (by B. P. Rogers, representative), M. E. Backman, and R. G. S. Sewell, to United States of America, Navy. Impact test apparatus. 3,343,400, 9–26–67, Cl. 73—12.
Rogers, Joan H., to The Dow Chemical Co. β,β'-dihalodiethylammonium thiosulfonates. 3,305,581, 2–21–67, Cl. 260—501.
Rogers, Joe W. Receptacle holder and support. 3,306,464, 2–28–67, Cl. 211—78.
Rogers, John B., and J. K. Nagel. Combination door bumper and holder. 3,297,347, 1–10–67, Cl. 292—74.
Rogers, John B., J. K. Nagel, and J. C. Burrey. Movable wall arrangement. 3,298,143, 1–17–67, Cl. 52—64.
Rogers, John H.: *See*—
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Rogers, John L., and H. T. Mann, to TRW. Associative memory system. 3,320,592, 5–16–67, Cl. 340—172.5.
Rogers, John R., to S. C. Johnson & Son, Inc. Coating composition comprising a terpolymer, an alkali soluble resin, and a zirconyl-fugitive ligand compound. 3,320,196, 5–16–67, Cl. 260—27.
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Rogers, John V., to Tektronik, Inc. Pulse generator circuit. 3,317,743, 5–2–67, Cl. 307—88.5.
Rogers, Kenneth. Roller rack. 3,304,141, 2–14–67, Cl. 312—45.
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Rogers, Leo A., to Corning Glass Works. Phosphorescent opal glasses. 3,300,412, 1–24–67, Cl. 252—301.6.
Rogers, Leo C., to Motorola, Inc. Method of controlling channel formation. 3,345,216, 10–3–67, Cl. 148—1.5.
Rogers, Lockhart B., and A. G. Altenau, to Varian Aerograph. Gas-solid chromatographic column. 3,312,042, 4–4–67, Cl. 55—67.
Rogers, Morris R., and A. M. Kaplan, to United States of America, Army. Process of improving the tensile strength and increasing resistance to microbiological deterioration of cellulose textile containing cured aminoplast resin by steaming. 3,309,165, 3–14–67, Cl. 8—116.3.
Rogers, Philip S., and G. H. Gault, deceased (by I. B. Gault, executrix), said I. B. Gault, assor. to said P. S. Rogers. Extensible animal leash. 3,315,642, 4–25–67, Cl. 119—109.
Rogers, Raymond J., to General Dynamics Corp. Electroluminescent panel driver circuits. 3,343,128, 9–19–67, Cl. 340—166.
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Rogers, Samuel E., R. G. Fuchs, and G. H. Frost, to John Oster Mfg. Co. Hair dryer. 3,330,048, 7–11–67, Cl. 34—99.
Rogers, Thelmer A. Vibrating plow. 3,336,985, 8–22–67, Cl. 172—40.
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Rogers, Walter C., Jr., to General Steel Products, Inc. Sofa bed. 3,298,041, 1–17–67, Cl. 5—13.
Rogers, Walter C., Jr., to Royal Development Co., Inc. Positionable chair. 3,337,267, 8–22–67, Cl. 297—322.
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Rogers, William A., and J. E. Woehst, to Dow Chemical Co. Quaternary ammonium adducts of polyepichlorohydrin. 3,320,317, 5–16–67, Cl. 260—567.6.
Rogers, William A., Jr. Multiple-deck bed. 3,316,564, 5–2–67, Cl. 5—9.
Rogg, Otto, to Carl Hurth Maschinen- und Zehnradfabrik. Gear shaping machine. 3,318,193, 5–9–67, Cl. 90—4.
Rogge, Hartwig, to Siemens & Halske Aktiengesellschaft. Amplifier for reading matrix storer. 3,316,422, 4–25–67, Cl. 307—88.5.
Roggenstein, Edwin O., to Burroughs Corp. Hammer mechanism. 3,359,892, 12–26–67, Cl. 101—93.
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Rogov, Anatoly J., J. I. Lovtsov, and V. K. Kuteinikov, to Institute Gornogo Dela imeni A. A. Skochinskogo. Radial-piston hydraulic motor. 3,357,312, 12–12–67, Cl. 91—176.
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Rohaus, Donald E., and R. J. Wilkins, to United States Steel Corp. Briquette-parting apparatus. 3,300,815, 1–31–67, Cl. 18—21.
Rohde, Karl H., to Olympia Werke AG. Paper draw-off guide. 3,333,671, 8–1–67, Cl. 197—133.
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Brewer, Lee M., and Rohde. 3,356,292.
Brewer, Lee M., Rohde, and Thompson. 3,315,570.
Dye, Duane K., and Rohde. 3,301,011.
Reinke, James J., Rohde, and Thompson. 3,327,340.

Rohde, Robert P., to General Motors Corp. Transfer valve for utilizing plural pressure sources. 3,357,310, 12–12–67, Cl. 91—6.

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Rohe, Frederick W. Molded-in insert with floating nut. 3,313,078, 4–11–67, Cl. 52—617.

Rohe, Frederick W. Insert with ends riveted to panel skins. 3,355,850, 12–5–67, Cl. 52—617.

Rohe, Frederick W., and C. S. Phelan, said Phelan assor., to said Rohe. Mechanical sandwich panel spacer with improved torque resistant anchorage. 3,296,765, 1–10–67, Cl. 52—617.

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Rohlfs, John H., to The Turner & Seymour Mfg. Co. Vibratory straightening machines. 3,328,995, 7–4–67, Cl. 72—297.

Rohlfs, John H., to Wagner Electric Corp. Tandem master cylinder. 3,350,883, 11–7–67, Cl. 60—54.6.

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Rohlin, John F., to Combustion Engineering Inc. Nuclear reactor core organization and fuel assembly therefor. 3,351,533, 11–7–67, Cl. 176—40.

Rohlwes, Harald, to Georg Neumann. Capacitive transformer in bridge connection for producing electrical current output linearly proportional to capacitance. 3,299,286, 1–17–67, Cl. 307—88.5.

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Romba, John J., to United States of America, Army. Audio helmet for monkeys. 3,324,255, 6–6–67, Cl. 179—156.
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Romberg, Edgar B., to North American Aviation, Inc. Current regulator unaffected by radiation exposure and acceleration forces. 3,325,722, 6–13–67, Cl. 323—1.
Romberg, Edgar B., to North American Aviation, Inc. Accelerometer with digital readout. 3,355,952, 12–5–67, Cl. 73—503.
Romberg, Francis M., to Mobil Oil Corp. Marine seismic cable leakage detection. 3,351,898, 11–7–67, Cl. 340—7.
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Romerhaus, Bert W., to Whirlpool Corp. Pressure equalizing means for compressors and the like. 3,348,764, 10–24–67, Cl. 230—22.
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Ronceray, Robert A. M., Yeomans, Ronceray, A. J. L. and F. M. M. 3,357,648.
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Ronceray, Robert A. M., Yeomans, Ronceray, A. J. L. and F. M. M. 3,357,648.

Ronceray, Robert A. M., deceased, by L. S. Yeomans, A. J. L. Ronceray, F. M. M. and P. R. Ronceray. Mixer-grinder for foundry sand. 3,357,648, 12–12–67, Cl. 241—110.

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Roosa, Vernon D. Fuel pump. 3,331,327, 7–18–67, Cl. 103—5.

Roosa, Vernon D. Nozzle drilling machine. 3,350,963, 11–7–67, Cl. 77—32.2.

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Roper, Daniel W., to Eaton Yale & Towne, Inc. Rotatable coupling device. 3,323,623, 6–6–67, Cl. 192—58.

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Roper, John K., to Atlantic Hydrofoils, Inc. Mechanical control for submerged hydrofoil systems. 3,338,202, 8–29–67. Cl. 114—66.5.

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Ropiequet, Richard L., to Tektronix, Inc. Pulse counter tube employing voltage feedback from target to beam deflection electrodes isolated from any D.C. reference voltage. 3,355,-620, 11–28–67, Cl. 315—8.5.
Ropiequet, Richard L., and W. C. Webber, to Alta Industries, Inc. Drawer guide. 3,351,406, 11–7–67, Cl. 312—332.
Ropp, Richard C., and H. D. Layman, to Sylvania Electric Products Inc. Copper activated strontium metaphosphate phosphors. 3,318,818, 5–9–67, Cl. 252—301.4.
Ropp, Richard C., and R. F. Quirk, to Sylvania Electric Products, Inc. Process for the fabrication of improved fluorescent lamps. 3,348,961, 10–24–67, Cl. 117—33.5.
Ropp, Walter S., to Hercules Inc. Latex coating composition. 3,305,505, 2–21–67, Cl. 260—29.6.
Roque V, Alfredo. Airless tire. 3,329,192, 7–4–67, Cl. 152—327.
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Rorbaek Madsen, Erik M. C., to A/S Bang & Olufsen Produktionsselskab. Stereophonic transducer cartridge. 3,299,-219, 1–17–67, Cl. 179—100.41.
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Rosa, Anthony G. Method of making ballpoint-pen tips. 3,302,279, 2–7–67, Cl. 29—441.
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Rosaen, Borje O. Cylinder construction. 3,335,642, 8–15–67, Cl. 92—110.
Rosaen, Borje O., to The Rosaen Filter Co. Filter material. 3,348,695, 10–24–67, Cl. 210—489.
Rosaen Filter Co., The: *See*—
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Rosaen, Borge. 3,314,544.
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Rosaen, Nils O. 3,312,344.
Rosaen, Nils O. 3,312,345.
Rosaen, Nils O. 3,312,349.
Rosaen, Nils O. 3,312,353.
Rosaen, Nils O. 3,313,416.
Rosaen, Nils O. 3,313,417.
Rosaen, Nils O. 3,313,418.
Rosaen, Nils O. 3,314,541.
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Rosaen, Nils O. 3,326,376.
Rosaen, Nils O. 3,333,697.
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Rosaen, Nils O., to The Rosaen Filter Co. Bayonet fluid filtering assembly. 3,295,679, 1–3–67, Cl. 210—90.
Rosaen, Nils O. Power transfer circuit. 3,300,662, 1–24–67, Cl. 310—12.
Rosaen, Nils O.; 10% to C. J. Ladner, 10% to A. E. Moore, 7½% to J. B. Burrow, Sr. Power transfer circuits. 3,300,-663, 1–24–67, Cl. 310—12.
Rosaen, Nils O., to The Rosaen Filter Co. Filter devices. 3,312,344, 4–4–67, Cl. 210—90.
Rosaen, Nils O., to The Rosaen Filter Co. Indicating means for fluid filters. 3,312,345, 4–4–67, Cl. 210—90.
Rosaen, Nils O., to The Rosaen Filter Co. Filter elements. 3,312,349, 4–4–67, Cl. 210—283.
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Rosaen, Nils O., to The Rosaen Filter Co. Baffled filter device. 3,313,416, 4–11–67, Cl. 210—90.
Rosaen, Nils O., to The Rosaen Filter Co. Mobile filters. 3,313,417, 4–11–67, Cl. 210—90.
Rosaen, Nils O., to The Rosaen Filter Co. Bayonet filter assembly. 3,313,418, 4–11–67, Cl. 210—90.
Rosaen, Nils O., to The Rosaen Filter Co. Air purged filter device. 3,314,541, 4–18–67, Cl. 210—90.
Rosaen, Nils O., to The Rosaen Filter Co. Filter device with electrically actuated indicating means. 3,323,648, 6–6–67, Cl. 210—90.
Rosaen, Nils O., to The Rosaen Filter Co. Filter device and electrical indicating means. 3,323,649, 6–6–67, Cl. 210—90.
Rosaen, Nils O., to The Rosaen Filter Co. Fluid filter devices. 3,326,375, 6–20–67, Cl. 210—90.
Rosaen, Nils O., to The Rosaen Filter Co. Fluid filter devices. 3,326,376, 6–20–67, Cl. 210—90.
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Rosaen, Nils O., to B. O. Rosaen. Continuous bayonet filter device. 3,334,746, 8–8–67, Cl. 210—108.
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Rosan, Jose, and Reece. 3,319,688.
Rosan, Jose, to Rosan Engineering Corp. Tool for locking threaded fasteners in a workpiece. 3,339,436, 9–5–67, Cl. 81—3.
Rosan, Jose, and M. P. Reece, to Rosan Engineering Corp. Insert having hollow locking pins. 3,319,688, 5–16–67, Cl. 151—23.
Rosan, Jose, and M. Novakovich, to Rosan Engineering Corp. Top driven locking insert. 3,319,690, 5–16–67, Cl. 151—41.73.
Rosan, José, and A. J. La Torre, to Rosan Engineering Corp. Method of forming circumferentially spaced lock thread portions. 3,334,365, 8–8–67, Cl. 10—86.
Rosario Cartagena, Victor. Metal window frame. 3,348,353, 10–24–67, Cl. 52—658.
Rosauer, Peter J.: *See*—
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Roscher, Alfred M., and E. J. Potkanowicz, to Pittsburgh Plate Glass Co. Process for making glass fiber mats. 3,328,-383, 6–27–67, Cl. 264—115.
Roscher, Günther, and W. Riemenschneider, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Preparation of vinyl esters from acetylene in the presence of a mixed zinc salt catalyst. 3,346,627, 10–10–67, Cl. 260—498.
Roschke, Erwin M., to Zenith Radio Corp. Heat piercing recorder. 3,319,257, 5–9–67, Cl. 346—76.
Roscicki, Walter H. Hanger assemblies for supporting a number of clothes hangers or racks in orderly fashion. 3,317,055, 5–2–67, Cl. 211—124.
Roscoe, John P. Fingerling saving system. 3,338,056, 8–29–67, Cl. 61—21.
Roscoe, Lawrence C. J., to Bell Telephone Laboratories, Inc. Establishing intraconcentrator connections in a remote line concentrator system. 3,308,243, 3–7–67, Cl. 179—18.
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Rose, Arthur, and R. E. Kemper. Chromatographic device. 3,319,403, 5–16–67, Cl. 55—386.
Rose, Asie C., Jr. Method and apparatus for controlling the humidity within an enclosure. 3,326,464, 6–20–67, Cl. 236—44.
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Rose, Boyd W., to FMC Corp. Apparatus for filling powdered or granular material into containers. 3,304,964, 2–21–67, Cl. 141—68.
Rose, Boyd W., to FMC Corp. Article feed mechanism. 3,319,762, 5–16–67, Cl. 198—32.
Rose, Boyd W., and H. J. Mumma, to FMC Corp. Transfer control mechanism for egg processing machines. 3,295,658, 1–3–67, Cl. 198—30.
Rose, Boyd W., and H. J. Mumma, to FMC Corp. Egg washer. 3,296,641, 1–10–67, Cl. 15—3.13.
Rose, Boyd W., and H. J. Mumma, to FMC Corp. Article drying apparatus. 3,299,528, 1–24–67, Cl. 34—60.
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Rose, Donald, to Water Refining Co., Inc. Water conditioner having regeneration means. 3,342,336, 9–19–67, Cl. 210—134.
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Rose, Duke J., to Genesco, Inc. Golf shoe. 3,337,971, 8–29–67, Cl. 36—2.5.
Rose, Edgar, to Curtiss-Wright Corp. Ratio control for closed cycle propulsion systems. 3,328,957, 7–4–67, Cl. 60—39.46.

Rose, Floyd R. Outdoor sporting equipment including a wheel mounted boat assembly. 3,348,858, 10–24–67, Cl. 280—43.2.
Rose, Frank L., and T. A. Brennan, to Tracor Inc. Surgical instrument. 3,307,389, 3–7–67, Cl. 72—410.
Rose, Fred A. Cardiac monitor. 3,352,300, 11–14–67, Cl. 128—2.06.
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Rosen, Mark H., and W. K. Witsiepe, to E. I. du Pont de Nemours and Co. Process for purifying methylenebis(4-phenylisocyanate). 3,317,579, 5–2–67, Cl. 260—453.
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Rosenberg, Kenneth P. Magnetic ski bindings. 3,357,712, 12–12–67, Cl. 280—11.35.
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Rosenthal, Adolph H., deceased (by L. S. Rosenthal, executrix), to Kollsman Instrument Corp. Optical interferometric navigational instrument. 3,332,314, 7–25–67, Cl. 88—14.
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Rosin, Seymour, and W. J. Smythe, to Technicon Corp. Colorimeter flow cell. 3,345,910, 10–10–67, Cl. 88—14.
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Roskamp, Carleton H., D. R. Bates, R. D. Heckart, and L. F. Mayhue, to Phillips Petroleum Co. Reflux condensation by heat exchange with a composite stream. 3,304,727, 2–21–67, Cl. 62—28.
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Rosler, Geert, and U.-W. Rische, to North American Philips Co. Wave guide joint having non-conductive gap between sections. 3,315,186, 4–18–67, Cl. 333—95.
Rosman, Aristides, to Chevron Research Co. Method of rejuvenating an adsorbent. 3,325,971, 6–20–67, Cl. 55—62.
Rosman, Irwin E., to United States of America, Air Force. Apparatus with a thermally actuated seal. 3,296,943, 1–10–67, Cl. 92—111.
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Ross, Arnold, to Harsco Corp. Mobile concrete batching unit. 3,343,688, 9–26–67, Cl. 214—2.
Ross, Arnold R., C. Schroedl, and R. W. Strehlow, to Rex Chainbelt Inc. Mobile batching plant. 3,295,698, 1–3–67, Cl. 214—2.
Ross, Carl H., to The Crane & Breed Casket Co. Insert for casket top and methods of insertion. 3,316,608, 5–2–67, Cl. 27—19.
Ross, Carl H., to The Crane & Breed Casket Co. Head cap liner construction for burial caskets. 3,340,583, 9–12–67, Cl. 27—19.
Ross, Charles R. Ski construction. 3,318,609, 5–9–67, Cl. 280—11.13.
Ross, Charles W. Magnetic stacking device. 3,307,716, 3–7–67, Cl. 214—6.
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Ross, David, to Rexall Drug and Chemical Co. Neutralization process and apparatus. 3,345,304, 10–3–67, Cl. 252—193.
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Ross, Donald R., to U.S. Electric Mfg. Co. Trolley shoe dressing device. 3,321,587, 5–23–67, Cl. 191—35.
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Ross, Edward E., and J. Cunningham, to California Packing Corp. Pre-orienter aligner. 3,326,351, 6–20–67, Cl. 198—45.
Ross, Eugene A., to Chicago Bridge & Iron Co. Apparatus for spraying materials in a drilling process. 3,323,166, 6–6–67, Cl. 18—2.7.
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Ross, Frank, and S. B. Richter, to Velsicol Chemical Corp. 2-phenylthio-4-alkoxy-6-halo-s-triazines. 3,316,264, 4-25-67, Cl. 260—248.

Ross, Frank E., to The Maytag Co. Automatic control device. 3,333,121, 7-25-67, Cl. 307—141.5.

Ross, Gene W., to Ritter Pfaudler Corp. Boiler feed water system with vacuum deaeration. 3,338,033, 8-29-67, Cl. 55—164.

Ross, Gene W., to Ritter Pfaudler Corp. Deaeration and pumping of high pressure condensate. 3,342,020, 9-19-67, Cl. 55—164.

Ross, Gene W., and D. S., to Amcodyne & Co. Vacuum distillation including pre-degasification of distilland. 3,300,-392, 1-24-67, Cl. 202—176.

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Ross, Hardy E., and W. H. Wharton, to The Dow Chemical Co. Composition comprising an ethylene copolymer and an N-substituted amide. 3,326,840, 6-20-67, Cl. 260—32.6.

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Ross, Irvine E., to General Electric Co. Dynamoelectric machine with improved winding protection arrangement. 3,322,983, 5-30-67, Cl. 310—68.

Ross, James A., to Berkleonics, Inc. Shielded transformers. 3,312,919, 4-4-67, Cl. 336—84.

Ross, James F., T. C. Landrum, and L. D. Etherington, to Esso Research and Engineering Co. Polymerization diluent treatment. 3,324,090, 6-6-67, Cl. 260—80.5.

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Ross, John D., L. E. Goodwin, and T. R. Herold, to United States of America, Atomic Energy Commission. Ultrasonic liquid level indicator. 3,326,042, 6-20-67, Cl. 73—290.

Ross, John F., to General Electric Co. Process for producing finely divided calcium fluoride having controlled particle size. 3,357,788, 12-12-67, Cl. 23—88.

Ross, John M., to E. I. du Pont de Nemours and Co. Preparation of 2,3-dihydroxy-6-quinoxaline carboxylic acid. 3,296,-267, 1-3-67, Cl. 260—250.

Ross, John W., to Union Carbide, Canada, Ltd. Method of continuous flat metal casting with the forward mold stroke and pinch roll speed synchronized with the speed of the forward speed of molten metal. 3,300,824, 1-31-67, Cl. 22—200.1.

Ross, John W., A. W. Marner, Jr., and B. C. Millar, to Union Carbide Canada Ltd. Welding torch oscillator unit. 3,306,116, 2-28-67, Cl. 74—55.

Ross, John W., D. R. Boynton, and C. S. Arnold, to Union Carbide Canada, Ltd. Machine for thermally working minerals. 3,313,359, 4-11-67, Cl. 175—11.

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Ross, Robert S., to Goodyear Aerospace Corp. Angle of attack compensating bridle system for lighter-than-air balloon. 3,318,553, 5-9-67, Cl. 244—33.

Ross, Roger J., to The Singer Co. Attachment driving stud for a screwless needle clamp. 3,324,813, 6-13-67, Cl. 112—226.

Ross, Roger J., to The Singer Co. Screwless needle-clamps. 3,344,761, 10-3-67, Cl. 112—226.

Ross, Roger J., to The Singer Co. Sewing machine drive mechanism. 3,347,191, 10-17-67, Cl. 112—220.

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Ross, Sidney D., to Sprague Electric Co. Sealed capacitor with non-gas producing electrolyte. 3,325,697, 6-13-67, Cl. 317—230.

Ross, Sidney D., and R. E. Cote, to Sprague Electric Co. Capacitor with low resistivity electrolyte and high voltage range. 3,300,693, 1-24-67, Cl. 317—230.

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Ross, William. Means of mounting glass or mirror to backing. 3,316,052, 4-25-67, Cl. 350—293.

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Rossi, Alberto P. A., L. H. Werner, W. L. Bencze and G. de Stevens, to Ciba Corp. N-substituted benzo-azacycloalkenes. 3,332,951, 7-25-67, Cl. 260—286.

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Rossi, Irving, to Concast, Inc. Cooling and apron arrangement for continuous casting molds. 3,358,744, 12–19–67, Cl. 164—282.
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Rossnan, Michael. Apparatus for removing meat from crabs. Re. 26,136, 1–10–67, Cl. 17—2.
Rossnan, Michael. Fishing devices. Re. 26,198, 4–25–67, Cl. 43—36.
Rossnan, Michael. Apparatus for jacking motor vehicles. 3,348,807, 10–24–67, Cl. 254—94.
Rossnan, Michael. Apparatus for shaping and cooking food. 3,358,588, 12–19–67, Cl. 99—426.
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Roth, Charles F., Jr., to Xerox Corp. Xerographic developer seal and process. 3,332,328, 7–25–67, Cl. 95—1.7.
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Rowlands, Tom, to Molins Machine Co. Ltd. Collecting and arranging cigarettes. 3,306,423, 2–28–67, Cl. 198—32.
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Roxburgh, Dale F., and L. A. Utiger, to Coin-A-Key, Inc. Automatic pattern cutting and vending machine. 3,358,561, 12–19–67, Cl. 90—13.25.
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Roy, Henry A., Sr., to Roi-Tech Valve Co., Inc. Top entry plug valve. 3,337,182, 8–22–67, Cl. 251—214.
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Rudolph, Hans, and K. Raichle, to Farbenfabriken Bayer Aktiengesellschaft. Storage secondary aromatic amines as stabilizers for unsaturated polyesters containing hydroperoxides. 3,355,515, 11–28–67, Cl. 260—864.

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Rudszinat, Willy, to Hauni Werke Korber & Co. Apparatus for testing cigarettes and the like. 3,339,402, 9–5–67, Cl. 73—41.

Rudszinat, Willy, to Hauni Werke Korber & Co. KG. Cutter for adhesive-coated tape and the like. 3,340,757, 9–12–67, Cl. 83—343.

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Runge, John N. Semi-automatic flocking machine. 3,330,250, 7–11–67, Cl. 118—2.

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Rushton, John D., and R. A. Williams, to Imperial Chemical Industries Ltd. Manufacture of adiponitrile. 3,325,532, 6–13–67, Cl. 260—465.2.

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Mann, Matthew K., and Rushworth. 3,344,482.

Rusick, Jack H., to General Signal Corp. System and method of code communication. 3,305,634, 2–21–67, Cl. 178—66.

Rusk, Gerald R. Wrench having a plurality of work engaging means. 3,354,756, 11–28–67, Cl. 81—90.

Rusk, Stanley J., to United States of America, Navy. Vector resolver. 3,341,155, 9–12–67, Cl. 244—77.

Ruske, Manfred: *See*—
Braun, Willy, and Ruske. 3,313,830.
Braun, Willy, and Ruske. 3,324,174.
Braun, Willy, and Ruske. 3,342,831.

Rusker Co., The: *See*—
Wahlgren, Wallace W. 3,337,818.

Ruskin, Dan B.: *See*—
Ruskin, Simon L., Farhi, Ruskin, and Reder. 3,329,567.

Ruskin Development & Mfg. Corp.: *See*—
Ruskin, Henry. 3,318,598.

Ruskin, Frances R., and J. Q. Adams. Radiation-proof structure. 3,334,597, 8–8–67, Cl. 109—1.

Ruskin, Henry, to Ruskin Development & Mfg. Corp. Bowling ball having means for indicating a correct hooked delivery. 3,318,598, 5–9–67, Cl. 273—63.

Ruskin, Henry, to Swingline, Inc. Tamper-proof security clip. 3,331,106, 7–18–67, Cl. 24—123.

Ruskin, Henry, to Swingline, Inc. Tool for applying fastening devices. 3,331,233, 7–18–67, Cl. 72—410.

Ruskin, Henry, and E. S. Viola, to Swingline Inc. Method of securing components of a cap member to one another. 3,301,731, 1–31–67, Cl. 156—293.

Ruskin Mfg. Co.: *See*—
Reichow, William A. 3,346,013.

Ruskin, Simon L., deceased (by C. Farhi, D. B. Ruskin, and M. Reder, executors), to Union Carbide Corp. Synergistic effect of adenylic nucleotides in digitalis therapy. 3,329,567, 7–4–67, Cl. 167—65.

Rusler, George W., Jr., to Honeywell Inc. Apparatus for computing true vertical position, velocity and acceleration for aircraft. 3,296,422, 1–3–67, Cl. 235—150.25.

Rusling, Robert B. Road or highway markers. 3,355,999, 12–5–67, Cl. 94—1.5.

Rusnack, Michael E., and J. M. Kulesa, American Maize-Products Co. Weight control for bag packing machines. 3,311,-182, 3–28–67, Cl. 177—45.

Rusnak, Maurice, W. Miller and Peter, to said Rusnak, assor. to P. Miller and W. Miller. Condition-responsive system for inpressing distinctive frequency alarm tone on transmission line. 3,357,009, 12–5–67, Cl. 340—216.

Rusnak, Thomas L. Head rest. 3,296,634, 1–10–67, Cl. 5—338.

Rusoff, Samuel, to Basic Inc. Method of manufacturing basic refractories. 3,310,618, 3–21–67, Cl. 264—63.

Russ, Clem. Implanted electrode for measuring oxygen pressure in an organ. 3,336,919, 8–22–67, Cl. 128—2.1.

Russ, Edward F.: *See*—
Miller, Kenneth H., and Russ. 3,332,252.

Russ, William H., and H. E. Evans, to N. V. Appleton (U.K.) Ltd. Windows. 3,357,135, 12–12–67, Cl. 49—390.

Russak, Joseph. Automatic separator. 3,298,077, 1–17–67, Cl. 28—17.

Russel, Chester Z.: *See*—
Wyble, Charles W., Russel, and Ernst. 3,335,419.

Russell, Albert H.: *See*—
Gratton, Charles P., and Russell. 3,341,426.

Russell, Burdsall & Ward Bolt and Nut Co.: *See*—
Tabor, Joseph A. 3,356,121.

Russell, Carl D., to International Harvester Co. Earth working implement. 3,307,508, 3–7–67, Cl. 111—86.

Russell, Carl D. Mechanical injection and absorption heat-operated refrigeration apparatus and method. 3,330,126, 7–11–67, Cl. 62—101.

Russell, Carl D. End-of-page limiting device. 3,349,890, 10–31–67, Cl. 197—189.

Russell, David L., to The Dow Chemical Co. Method and apparatus for the treatment of expandable resinous particles. 3,347,961, 10–17–67, Cl. 264—53.

Russell, Dean E., to FMC Corp. Cutter rolls for corn harvesters. 3,304,702, 2–21–67, Cl. 56—104.

Russell, Donald H.: *See*—
Nagin, Harry S., and Russell. 3,334,555.
Nagin, L. and H. S., Russell, and Wojcik. 3,341,128.

Russell, Donald H., to The Atlantic Refining Co. Wax extended urethane polymers. 3,305,503, 2–21–67, Cl. 260—28.5.

Russell, Donald H., and B. C. Wilbur, Jr., to Atlantic Richfield Co. Method for the production of alkylated styrene polymers. 3,336,409, 8–15–67, Cl. 260—669.

Russell, Duane J.: *See*—
Sykes, Langthorne, Russell, and Hansen. 3,327,227.

Russell, Edward J.: *See*—
Ruhf., Robert J., Russell, and Egge. 3,345,313.

Russell, Edwin R.: *See*—
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Russell, Edwin R., W. E. Prout, H. J. Groh, and G. W. Watt, to United States of America, Atomic Energy Commission. Thorium oxide or thorium-uranium oxide with magnesium oxide. 3,309,323, 3–14–67, Cl. 252—301.1.

Russell, Eugene R.: *See*—
Bufkin, Dale E., and Russell. 3,334,576.

Russell, Frank H., to Bolton-Emerson, Inc. Bound, adhesively united shell filling. 3,327,956, 6–27–67, Cl. 241—299.

Russell, Frank S.: *See*—
Halvorsen, Elmer W., and Russell. 3,351,101.

Russell, Fred J. Strike with relieved tab. 3,316,007, 4–25–67, Cl. 292—341.12.

Russell, Fred J. Trailer lock. 3,337,249, 8–22–67, Cl. 292—140.

Russell, Fred J., and R. J. Nolin, said Nolin assignor to said Russell. Method for preparing a door face to retain a unit lock in position. 3,298,094, 1–17–67, Cl. 29—428.

Russell, Fred J., and P. Cirocco, said Cirocco assignor to said Russell. Sleeve for key-actuated mechanism. 3,298,-211, 1–17–67, Cl. 70—369.

Russell, Fred J., and R. J. Nolin, said Nolin assignor to said Russell. Mortise lock low friction case liner. 3,298,-729, 1–17–67, Cl. 292—337.

Russell, Fred J., and R. J. Nolin; said Nolin assor. to said Russell. Unit lock installation jig. 3,302,674, 2–7–67, Cl. 145—129.

Russell, Fred J., and G. B. Solovieff, said Solovieff assor., to said Russell. Rotatable cap with shoulder to retain removable core. 3,308,641, 3–14–67, Cl. 70—224.

Russell, Fred J., R. L. Armstrong, and H. W. Falk, said Armstrong and Falk assors., to said Russell. Threaded member anti-loosening device. 3,308,866, 3–14–67, Cl. 151—25.

Russell, Fred J., and R. J. Nolin, said Nolin assor. to said Russell. Unit lock deadlocking blocker lifter. 3,316,001, 4–25–67, Cl. 292—153.

Russell, Fred J., and R. J. Nolin; said Nolin assor. to said Russell. Pivoting reversible latch bolt. 3,316,003, 4–25–67, Cl. 292—244.

Russell, Fred J., and R. J. Nolin; said Nolin assor. to said Russell. Mortise lock hub cover. 3,316,006, 4–25–67, Cl. 292—337.

Russell, Fred J., R. L. Armstrong, and F. L. Jennie; said Armstrong and Jennie assors. to said Russell. Bush button actuated lock. 3,321,942, 5–30–67, Cl. 70—146.

Russell, Fred J., R. L. Armstrong, and H. W. Falk; said Armstrong and Falk assors. to said Russell. Adjustable roller latch. 3,322,450, 5–30–67, Cl. 292—75.

Russell, Fred J., and J. R. Andrew, to Columbus Auto Parts Co. Setting gauge for testing machine. 3,323,217, 6–6–67, Cl. 33—147.

Russell, Fred J., and G. B. Solovieff, said Solovieff assignor to said Russell. Combination lock. 3,330,140, 7–11–67, Cl. 70—156.

Russell, Fred J., R. L. Armstrong, and F. L. Jennie, said Jennie and Armstrong assignors to said Russell. Self-adjusting key-actuated mechanism for mailbox doors. 3,336,-769, 8–22–67, Cl. 70—134.

Russell, Fred J., and R. J. Nolin. Door lock visual indicator pin. 3,336,775, 8–15–67, Cl. 70—438.

Russell, Fred J., and R. J. Nolin; said Nolin assor., to said Russell. Mortise lock knob locking means. 3,337,248, 8–22–67, Cl. 292—5.
Russell, Fred J., and R. J. Nolin; said Nolin assor., to said Russell. Deadlocking mechanism blocker. 3,337,250, 8–22–67, Cl. 292—210.
Russell, Fred J., and R. J. Nolin; said Nolin assor., to said Russell. Mortise lock deadlocking latch and deadbolt block. 3,337,251, 8–22–67, Cl. 292—222.
Russell, Fred J., and R. J. Nolin; said Nolin assor., to said Russell. Locking-unlocking controls in latch face. 3,337,252, 8–22–67, Cl. 292—224.
Russell, Fred J., R. L. Armstrong, and V. W. Sanders. Handhold retainer block. 3,337,254, 8–22–67, Cl. 292—352.
Russell, Fred J., R. L. Armstrong, and H. W. Falk, said Armstrong and Falk assor to said Russel. Double sliding door lock. 3,345,838, 10–10–67, Cl. 70—100.
Russell, Fred J., and G. B. Solovieff, said Solovieff assor. to said Russell. Dial and key operated padlock. 3,349,584, 10–31–67, Cl. 70—21.
Russell, Fred J., and G. B. Solovieff, said Solovieff assor. to said Russell. Combination lock mechanism. 3,349,586, 10–31–67, Cl. 70—316.
Russell, Frederick B.: *See*—
Kantrowitz, Arthur R., and Russell. 3,350,721.
Russell, Frederick S., to United States Envelope Co. Bag supply pad. 3,317,037, 5–2–67, Cl. 206—57.
Russell, Gaylord C.: *See*—
Fish, Lawrence W., Jr., and Russell. 3,296,378.
Russell, Glen A. Condensation reactions in dimethyl sulfoxide solution and sulfoxides. 3,326,979, 6–20–67, Cl. 260—607.
Russell, Glen A., and H.-D. Becker. Preparation and rearrangement of beta-ketosulfoxides. 3,345,416, 10–3–67, Cl. 260—590.
Russell, Gordon C., to Lockheed Aircraft Corp. Wall panel joint cap construction. 3,330,084, 7–11–67, Cl. 52—300.
Russell, Gordon C., to Lockheed Aircraft Corp. Formation rail and securing means therefor. 3,334,455, 8–8–67, Cl. 52—122.
Russell, Gordon C., to Lockheed Aircraft Corp. Abutting wall panels and sealing structure therefor. 3,350,828, 11–7–67, Cl. 52—395.
Russell, Gordon C. to Lockheed Aircraft Corp. Panel joint. 3,359,022, 12–19–67, Cl. 287—189.36.
Russell, Grover M., to Penn Controls, Inc. Fool-proof snap action reset switch. 3,345,476, 10–3–67, Cl. 200—72.
Russell, Henry B., and Sons, Inc.: *See*—
Russell, Joseph F. 3,313,569.
Russell Hosiery Mills, Inc.: *See*—
Boylen, Clarence B. 3,296,838.
Russell, Howard, Jr., to General Precision Inc. Gimbal-type joystick. 3,299,731, 1–24–67, Cl. 74—471.
Russell, Howard G.: *See*—
Erickson, Henry, and Russell. 3,295,897.
Russell, Jack E., to Carrier Corp. Absorption refrigeration systems. 3,358,465, 12–19–67, Cl. 62—101.
Russell, Jacob B. Constant pressure refrigeration cycle. 3,309,897, 3–21–67, Cl. 62—512.
Russell, James, W. E. Carlson, and C. H. Mayhood, Jr., to St. Regis Paper, Co. Process of reacting cellulose paper of low water content with gaseous formaldehyde. 3,310,363, 3–21–67, Cl. 8—116.4.
Russell, James B., and H. S. Rose, to American Russkit Co. Steering guide for slot cars. 3,314,375, 4–18–67, Cl. 104—60.
Russell, James C., to Landmark Engineering, Inc. Continuous digging apparatus. 3,307,276, 3–7–67, Cl. 37—90.
Russell, James C. Pipe laying apparatus. 3,354,661, 11–28–67, Cl. 61—72.5.
Russell, James E., to United Aircraft Corp. Frequency or phase shift demodulator. Re. 26,210, 5–23–67, Cl. 329—103.
Russell, James E., and W. J. Shannahan, to Remote Measurements, Inc. Plural channel monitor displaying A. C. or D. C. information signals as a bar graph on an oscilloscope. 3,345,625, 10–3–67, Cl. 340—212.
Russell, James M., III, and W. E. Fox, to United States of America, National Aeronautics and Space Administration. Event recorder. 3,354,462, 11–21–67, Cl. 346—50.
Russell, John A., to A. O. Smith Corp. Cyclic code generating means. 3,345,500, 10–3–67, Cl. 235—61.11.
Russell, John D., to Conair, Inc. Method of transporting material and device therefor. 3,309,146, 3–14–67, Cl. 302—17.
Russell, John D., to Microdot Inc. Apparatus for temperature compensation of strain gages. 3,324,706, 6–13–67, Cl. 73—1.
Russell, John D., to Joy Mfg. Co. Roof cutting follower. 3,333,898, 8–1–67, Cl. 299—67.
Russell, John G., R. M. Bass, and E. J. Hellier, to Dowty Rotol Ltd. Variable pitch propellers. 3,321,023, 5–23–67, Cl. 170—160.51.
Russell, John P.: *See*—
Curtis, Harold E., Johnson, and Russell. 3,358,433.
Russell, John R.: *See*—
Bechter, Kathleen, and Russell. 3,353,579.
Steere, Frank W., Jr., and Russell. 3,344,684.
Russell, John S., and K. L. Cianchette, to Cianbro Mfg. Corp. Toggle device for lifting heavy objects. 3,307,871, 3–7–67, Cl. 294—86.
Russell, Joseph F., to Henry B. Russell and Sons, Inc. Refuse container. 3,313,569, 4–11–67, Cl. 294—73.
Russell, Joseph L., and A. D. Silber, to Halcon International, Inc. Method for preparing phenol-type compounds employing an improved catalyst. 3,358,044, 12–12–67, Cl. 260—621.
Russell, Kenneth A., to British Relay Ltd. Electrical signal distributing systems. 3,350,502, 10–31–67, Cl. 178—6.
Russell, Kenneth F., to Brogdex Co. Grommet means for sizing apparatuses. 3,348,679, 10–24–67, Cl. 209—84.
Russell, Kenneth H. Winnowing machine for blueberries. 3,306,440, 2–28–67, Cl. 209—27.
Russell, Lewis E., and J. D. Lawrence, to United Kingdom Atomic Energy Authority. Process for producing high density uranium carbide-plutonium carbide pellets. 3,338,989, 8–29–67, Cl. 264—.5.
Russell, Lewis K., W. H. Legat, and R. C. Hackley III, to Raytheon Co. Sensitized notched transducers. 3,320,568, 5–16–67, Cl. 338—2.
Russell, Lewis K., and W. H. Legat, to Raytheon Co. Scribed and notched PN- junction transducers. 3,327,525, 6–27–67, Cl. 73—88.5.
Russell, Lindsay. Sonar-type sensory aids. 3,321,737, 5–23–67, Cl. 340—1.
Russell, Linus E., to Peters and Russell, Inc. Surge chambers employing flexible membranes. 3,347,273, 10–17–67, Cl. 138—30.
Russell, Linus E., to Peters and Russell, Inc. Water strainer. 3,347,385, 10–17–67, Cl. 210—232.
Russell, Luther: *See*—
Dunn, Albert, and Russell. 3,307,216.
Russell, Malcolm C., to Russell Mfg. Co. Card cutting machine. 3,299,755, 1–24–67, Cl. 83—94.
Russell Mfg. Co., The: *See*—
Read, Thomas I. 3,300,826.
Russell, Malcolm C. 3,299,755.
Russell, Norman E., to Aluminum Goods Ltd. Container and tear strip type lid therefor. 3,356,250, 12–5–67, Cl. 220—54.
Russell, Peter B.: *See*—
Alburn, Harvey E., Clark, Grant, and Russell. 3,329,675.
Russell, Peter B., to American Home Products Corp. Therapeutic compositions for alleviation of intestinal infections containing 6 - [(2 - amino-phenylacetamido)-2-phenylacetamido] penicillanic acid. 3,308,023, 3–7–67, Cl. 167—65.
Russell, Richard E. Drill dispensing container. 3,319,780, 5–16–67, Cl. 206—17.
Russell, Richard R., and F. L. Bridges, to Union Carbide Corp. High performance falling-film cooler-absorber. 3,318,588, 5–9–67, Cl. 261—153.
Russell, Robert B.: *See*—
Russell, Robert B., and Vitu. 3,324,292.
Russell, Robert B. Thermographic transfer sheet having a support of a paper and plastic coating and the method of use. 3,301,697, 1–31–67, Cl. 117—36.4.
Russell, Robert B., and G. A. Vitu, said Vitu assor. to said Russell. Thermographic copying apparatus with means to reverse the movement of a continuous transfer sheet. 3,316,403, 4–25–67, Cl. 250—65.
Russell, Robert B., and G. A. Vitu, to R. B. Russell. Thermographic copying machine with a series of driven rollers to separate the copy and transfer sheets. 3,324,292, 6–6–67, Cl. 250—65.
Russell, Robert C., to Eaton Yale & Towne Inc. Brake mechanism and system. 3,298,470, 1–17–67, Cl. 188—106.
Russell, Robert C., to Eaton Yale & Towne Inc. Automatic brake adjuster. 3,334,709, 8–8–67, Cl. 188—79.5.
Russell, Robert C., to Eaton Yale & Towne Inc. Automatic brake adjuster. 3,334,713, 8–8–67, Cl. 188—196.
Russell, Robert G., to Owens-Corning Fiberglas Corp. Method for production of glass fibers. 3,345,147, 10–3–67, Cl. 65—3.
Russell, Robert H., to Electro-Optical Systems, Inc. Converter/regulator feedback reference. 3,336,521, 8–15–67, Cl. 321—18.
Russell, Robert O.: *See*—
Limes, Robert W., and Russell. 3,304,186.
Limes, Robert W., and Russell. 3,304,187.
Russell, Robert W., to McGraw-Edison Co. Transformer coil having improved short circuit strength. 3,315,197, 4–18–67, Cl. 336—84.
Russell, Roger B., Jr., and M. R. Bates, to United States of America, Navy. Probability analyzer. 3,348,031, 10–17–67, Cl. 235—150.5.
Russell, Roger B., Jr., and M. R. Bates, to United States of America, Navy. Ships strain measuring system. 3,354,703, 11–28–67, Cl. 73—88.5.
Russell, Scott J.: *See*—
Hauser, Henry W., Schoenrade, and Russell. 3,356,738.
Russell, William D.: *See*—
St. Louis, Jacques R. J., and Russell. 3,309,579.
Russell, William E.: *See*—
Hogg, Grady R., Jr., Reavis, and Russell. 3,313,596.
Russell, William H.: *See*—
Rees, William W., and Russell. 3,295,980.
Russell, William J., to Robertshaw Controls Co. Switch operating unit. 3,304,800, 2–21–67, Cl. 74—527.
Russell, William J., to Robertshaw Controls Co. Snap action device. 3,306,998, 2–28–67, Cl. 200—67.
Russell, William M.: *See*—
Hynek, Walter J., Russell, and Ainslie. 3,333,280.
Russell, William S.: *See*—
Lodeesen, Herman J., and Russell. 3,329,536.
Lodeesen, Herman J., and Russell. 3,331,710.
Lodeesen, Herman J., and Russell. 3,347,713.

Russenberger, Victor. Circuit protector. 3,319,030, 5–9–67, Cl. 200—121.

Russey, Park, Dr. Sanitary diaper washer. 3,308,640, 3–14–67, Cl. 68—235.

Russey, Edward S., to Borg-Warner Corp. Transmission control mechanism. 3,335,618, 8–15–67, Cl. 74—472.

Russey, Edward S., and E. B. Duncan, to Borg-Warner Corp. Anti-rattle device for a torque transmitting mechanism. 3,355,909, 12–5–67, Cl. 64—6.

Russin, Nicholas C., C. J. Kibler, and K. T. Barkey, to Eastman Kodak Co. Process for converting scrap polyester into active prepolymer particles followed by powder build-up to high molecular weights. 3,344,091, 9–26–67, Cl. 260—2.3.

Russo, Angelo. Unidirectional traffic control. 3,295,255, 1–3–67, Cl. 49—49.

Russo, Carl J., to Joseph Bancroft & Sons Co. Apparatus for producing a yarn package. 3,316,609, 5–2–67, Cl. 28—21.

Russo, Carl J., and E. H. Shattuck, to Joseph Bancroft & Sons Co. Apparatus for packaging yarn. 3,327,368, 6–27–67, Cl. 28—21.

Russo, Frank C.: *See*—
Buckley, Robert A., and Russo. 3,347,823.

Russo, John I., ½ to F. A. Ronci. Method for making elbows. 3,335,485, 8–15–67, Cl. 29—157.

Russo, John I., ½ to F. A. Ronci. Apparatus for the automatic manufacture of pipe unions. 3,344,450, 10–3–67, Cl. 10—87.

Russo, Joseph J., and M. S. La Monica, Jr. Oil cleaner. 3,346,-120, 10–10–67, Cl. 210—439.

Russo, Roland, to A. O. Smith Corp. Overload protection device with heat shield interposed between heater and thermal elements. 3,313,900, 4–11–67, Cl. 200—124.

Russum, Gaillard R.: *See*—
Axelson, John W., and Russum. 3,350,929.

Rust, Frederick F.: *See*—
Klein, Harvey S., and Rust. 3,299,118.
Klein, Harvey S., and Rust. 3,329,707.

Rust, Rudolph: *See*—
Webb, James E. 3,305,810.

Rust, Willard A.: *See*—
Coleman, Ivan V., Smith, and Rust. 3,299,438.

Rustad, Stanley C.: *See*—
Haub, John T., Rustad, and Hasten. 3,296,954.

Rustad, Stanley C., H. E. Wissman, R. D. Siverson, and M. Hasten, to General Mills, Inc. Bag closing machine. 3,313,089, 4–11–67, Cl. 53—371.

Ruston & Hornsby Ltd.: *See*—
Groschel, Ernest R., and Watson. 3,340,860.

Ruszczycky, Mark A., and W. A. Middleton, to United States of America, Navy. Mechanism for deflection of a contra-rotating propeller system. 3,356,150, 12–5–67, Cl. 170—135.26.

Rut, Tadeusz, to Centralne Laboratorium Obrobki Plastycznej. Device and particularly forging apparatus for simultaneous upsetting and bending of material like bars, rods or ingots. 3,348,407, 10–24–67, Cl. 72—450.

Ruter, Hermann, E. Cherdron, and G. Bayer, to Gebruder Geulini G.m.b.H. Method of manufacturing pig iron and steel from iron ore and iron-oxide-containing waste materials. 3,295,958, 1–3–67, Cl. 75—38.

Ruter, Hermann, E. Cherdron, and F. Fassle, to Gebruder Giulini G.m.b.H. Process for preparing alpha calcium sulfate semihydrate from synthetic gypsums. 3,337,298, 8–22–67, Cl. 23—122.

Rutgerswerke-Aktiengesellschaft: *See*—
Sulo, Jozef, and Binder. 3,306,943.

Rutgerswerke und Teerverwertung Aktiengesellschaft: *See*—
Binder, Hans, Mayr, Sulo, and Turowki. 3,337,647.
Froitzheim, Max, Lang, Rappen, and Turowski. 3,347,936.
Wille, Hans, and Jellinek. 3,316,323.

Ruth, Arthur P.: *See*—
Struve, Valton G. 3,306,372.

Ruth, Arthur P. Air replenishing device for air pressure operated water supply system. 3,318,324, 5–9–67, Cl. 137—209.

Ruth, Daniel H., to Landis Tool Co. Device for maintaining operative relation between a dressing tool and grinding wheel. 3,318,052, 5–9–67, Cl. 51—165.

Ruth, Elmer L.: *See*—
Gordon, James H., and Ruth. 3,295,722.

Ruth, Harold S., Jr. Contour shoulder pack. 3,347,429, 10–17–67, Cl. 224—11.

Ruth, Richard L., to General Electric Co. Data editing apparatus. 3,315,234, 4–18–67, Cl. 340—172.5.

Ruthazer, Leonard B., to Honeywell Inc. Conditional sum and/or carry adder. 3,316,393, 4–25–67, Cl. 235—175.

Ruthenberg, Ross E., to Motorola, Inc. Time delay circuit for briefly holding a selective call transmitter energized. 3,304,501, 2–14–67, Cl. 325—186.

Ruthenberg, Ross E., to Motorola, Inc. Receiver muting system for two-way radio communication equipment. 3,328,695, 6–27–67, Cl. 325—22.

Rutherford, David A., and R. J. McWilliams, to Abex Corp. Surface hardening apparatus. 3,300,197, 1–24–67, Cl. 266—4.

Rutherford Electronics Co.: *See*—
Hegarty, James M., and Lord. 3,323,123.

Rutherford, Harry T. Paste container and dispenser. 3,347,-288, 10–17–67, Cl. 141—362.

Rutherford, Samuel J., to Purolator Products, Inc. Silicone rubber containing antimony tri sulfide and cured with peroxides. 3,357,940, 12–12–67, Cl. 260—37.

Rutherford, William F., to Freeman Chemical Corp. Interpolymers of aldehyde modified amides and polyallyl ethers of polyhydric alcohols. 3,298,978, 1–17–67, Cl. 260—15.

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Geiger, Otto. 3,343,572.
Kohler, Lothar. 3,346,018.
Lutz, Friedrich. 3,322,160.
Zollinger, Hans. 3,301,279.
Zollinger, Hans, and Lutz. 3,333,606.

Rutkowski, Arthur: *See*—
Christianson, Charles, Duffy, Mackay, and Rutkowski. 3,299,267.

Rutkowski, Edward J.: *See*—
Dawdy, Jack A., Di Cesare, and Rutkowski. 3,358,410.
Di Cesare, John J., Jr., and Rutkowski. 3,323,270.

Rutkowski, Eugene V.: *See*—
Mageean, James V., and Rutkowski. 3,344,605.

Rutkowski, Eugene V. Injection cartridge. 3,308,818, 3–14–67, Cl. 128—173.

Rutledge, Thomas F., to Atlas Chemical Industries, Inc. Alkylation of urea. 3,297,752, 1–10–67, Cl. 260—553.

Rutledge, Thomas F., to Atlas Chemical Industries, Inc. Separation of alkyl ureas. 3,297,753, 1–10–67, Cl. 260—553.

Rutledge, William A., and J. J. Clarkson, to General Electric Co. Dynamoelectric machine rotor supporting structure. 3,350,588, 10–31–67, Cl. 310—90.

Rutledge, William A., and E. E. Kiningham, to General Electric Co. Method of producing machines having proper freedom of revolution for rotatable assemblies therein. 3,359,-628, 12–26–67, Cl. 29—596.

Rutschmann, Jurg, H. Kobel, and E. Schreier, to Sandoz Ltd. (a/k/a Sandoz A.G.). Heterocyclic carboxylic acids and their production. 3,314,961, 4–18–67, Cl. 260—285.5.

Rutschmann, Jurg, and E. Schreier, to Sandoz Ltd. (also known as Sandoz A.G.). Aryl-tetralyl compounds and a process for their production. 3,347,870, 10–17–67, Cl. 260—340.5.

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Rutulis, Uldis, to Northern Electric Co. Ltd. Compensated tunable cavity with single variable element. 3,311,839, 3–28–67, Cl. 330—4.9.

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Rutz, Richard F., to International Business Machines Corp. Silicon carbide semiconductor device. 3,308,356, 3–7–67, Cl. 317—237.

Rutz, Richard F., to International Business Machines Corp. Oscillator consisting of an esaki diode in direct shunt with an impedance element. 3,325,703, 6–13–67, Cl. 317—234.

Rutz, William D., to Donald F. Gregg. Flavorings containing cyclohexanesulfamic acids and cyclamate salts for casein-containing products. 3,353,959, 11–21–67, Cl. 99—28.

Rutzebeck, John D. Woodworking tool. 3,360,023, 12–26–67, Cl. 144—134.

Ruuska, Paul E. Power driven reciprocating massaging device. 3,313,296, 4–11–67, Cl. 128—51.

Ruxton, Alexander L. Method for teasing hair. 3,358,696, 12–19–67, Cl. 132—7.

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Ruyle, William V., and T.-Y. Shen, to Merck & Co., Inc. Alpha-(2-amino)-3-indolyl lower aliphatic acid derivatives. 3,320,278, 5–16–67, Cl. 260—326.12.

Ruys, Frans W. Setting device to be operated by means of keys destined for an adding or calculating machine, a cash-register or such-like device. 3,329,336, 7–4–67, Cl. 235—62.

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Ryan, Arthur F. Head mounted rebounding device. 3,341,201, 9–12–67, Cl. 273—67.

Ryan, Arthur P. Transmission and brake for crawler type vehicles. 3,312,318, 4–4–67, Cl. 192—4.

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Ryan, Daniel J., to FMC Corp. Apparatus for making thermoplastic films. 3,355,768, 12–5–67, Cl. 18—14.

Ryan, Daniel J., and A. W. Simaska, to FMC Corp. Die assembly. 3,320,634, 5–23–67, Cl. 18—12.

Ryan, Edmund J., and M. R. Mountien, 5% to S. B. Wiczer, and 95% to Poly-Ox, Inc. Disinfecting solution and method. 3,326,747, 6–20–67, Cl. 167—17.

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Ryan, Francis B., to F. B. Ryan Mfg. Co. Identification tape plow. 3,339,369, 9–5–67, Cl. 61—72.6.

Ryan, Frederick J., to United-Carr Inc. Flush mount indicator. 3,329,951, 7–4–67, Cl. 340—381.

Ryan, George J. Garbage bag holder. 3,329,382, 7–4–67, Cl. 248—99.

Ryan, George R., to Brunswick Corp. Method of molding and assembling. 3,336,654, 8–22–67, Cl. 29—429.

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Ryan, John W., to Mattel, Inc. Skip loader toy with sounding means. 3,308,573, 3–14–67, Cl. 46—40.

Ryan, John W., to Mattel, Inc. Animated speaking figure toy. 3,315,406, 4–25–67, Cl. 46—118.

Ryan, John W., to Dow Corning Corp. Modified polyalkyleneamine silicon compounds. 3,317,577, 5–2–67, Cl. 260—448.2.

Ryan, John W. Rocking horse with moving legs. 3,319,957, 5–16–67, Cl. 272—53.2.

Ryan, John W. Tuned reed motors. 3,324,366, 6–6–67, Cl. 318—37.

Ryan, John W., to Mattel, Inc. Material adapted for apparel manufacture. 3,325,826, 6–20–67, Cl. 2—243.

Ryan, John W., to Mattel, Inc. Game board having a laterally shiftable ball projector and rebound cushion means. 3,329,433, 7–4–67, Cl. 273—121.

Ryan, John W., to Mattel, Inc. Loose-leaf binder and paper-punch combination. 3,349,774, 10–31–67, Cl. 129—7.

Ryan, John W., to Mattel, Inc. Figure toy having compressed elastomeric stuffing and bonded cover. 3,354,578, 11–28–67, Cl. 46—158.

Ryan, John W., J. D. Moore, and W. D. Kabot, to Mattel, Inc. Suspension for two-wheeled vehicle. 3,301,575, 1–31–67, Cl. 280—275.

Ryan, John W., R. L. May, and M. Citron, to Mattel, Inc. Miniature spotwelder. 3,307,012, 2–28–67, Cl. 219—86.

Ryan, John W., and R. A. MacMeekin, to Mattel, Inc. Three wheeled velocipede. 3,311,388, 3–28–67, Cl. 280—269.

Ryan, John W., R. L. May, and J. de Gelder, to Mattel, Inc. Toy machine shop tool. 3,316,946, 5–2–67, Cl. 144—1.

Ryan, John W., and W. D. Kabot, to Mattel, Inc. Vehicle control apparatus. 3,321,047, 5–23–67, Cl. 188—24.

Ryan, John W., and R. Dunn, to Mattel, Inc. Adjustable figure toy having improved armature means. 3,325,939, 6–20–67, Cl. 46—156.

Ryan, John W., and D. J. Maurer, to Mattel, Inc. Gun toy having means for reproducing recorded gun-shot sounds. 3,331,606, 7–18–67, Cl. 274—1.

Ryan, John W., and R. A. MacMeekin, to Mattel, Inc. Toy vehicle having variable drive means and pliable track. 3,337,985, 8–29–67, Cl. 46—243.

Ryan, John W., W. D. Kabot, and J. H. Northrop, to Mattel, Inc. Cap gun toy. 3,341,964, 9–19–67, Cl. 42—57.

Ryan, John W., G. W. Sioles, and J. F. Munday, to Mattel, Inc. Toy pop gun having an air pump with a resiliently flexible movable chamber closure member. 3,342,171, 9–19–67, Cl. 124—1.

Ryan, John W., C. F. Adickes, Jr., and J. De Gelder, to Mattel, Inc. Pneumatic space capsule. 3,346,989, 10–17–67, Cl. 46—44.

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Ryan, Joseph H. Hair clip carrier. 3,342,387, 9–19–67, Cl. 224—5.

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Ryan, Mary G. S. Weighted wrist cuff exerciser. 3,301,552, 1–31–67, Cl. 272—80.

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Ryan, Thomas R. Interchangeable ornament for buttons. 3,316,601, 5–2–67, Cl. 24—113.

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Ryan, William H., to Polaroid Corp. Novel photographic products and processes. 3,313,625, 4–11–67, Cl. 96—29.

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Ryhiner, Guenther; deceased (by A. Ryhiner, executrix), and A. Schmier, to Varta Pertrix-Union Gesellschaft mit beschraenkter Haftung. Separator for primary cells. 3,345,215, 10–3–67, Cl. 136—146.
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Safar, John G., to Allen-Bradley Co. Electrical control system. 3,305,721, 2–21–67, Cl. 318—328.
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Sagawa, Ryuichi, and H. Sugimoto, to Kawasaki Jukogyo Kabushika Kaisha. Hydraulic rotary servo mechanism. 3,308,721, 3–14–67, Cl. 91—375.
Sage, Frederick, to United Kingdom Atomic Energy Authority. Prestressed concrete pressure vessels for use in nuclear installations. 3,355,357, 11–28–67, Cl. 176—40.
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Sage, Thomas E. H. Vibratory and oscillatory conveyors. 3,338,385, 8–29–67, Cl. 198—220.
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Klemm, Edwin O., and Mulholland. 3,311,387.
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Sagiroglu, Nuri. Cytologic pan-scraper. 3,352,299, 11–14–67, Cl. 128—2.
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Saha, Aatto P., to Carrier Corp. Furnace. 3,327,762, 6–27–67, Cl. 158—1.5.
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Sahores, Jean, J. Vanuxem, and J. Capiaux, to Societe Anonyme: Societe Nationale des Petroles d'Aquitaine. Sample carrier feeder with subsequent article manipulating means. 3,332,577, 7–25–67, Cl. 221—238.
Sahrbacker, Edward V., to Carling Electric Inc. Variable speed control for power hand tools and the like. 3,327,196, 6–20–67, Cl. 318—345.
Sahrbacker, Edward V., to Carling Electric, Inc. Multi-position lock for trigger switch. 3,329,789, 7–4–67, Cl. 200—157.
Sahulka, Richard J., to International Business Machines Corp. Serial-to-parallel and parallel-to-serial buffer-converter using a core matrix. 3,333,253, 7–25–67, Cl. 340—172.5.
Saia, Frank J., and J. G. Quetsch, to Hughes Aircraft Co. Electroplating process for semiconductor devices. 3,324,015, 6–6–67, Cl. 204—15.
Saia, Frank J., D. F. James, and L. G. Hammock, to Hughes Aircraft Co. Top contact for surface protected semiconductor devices. 3,339,274, 9–5–67, Cl. 29—578.
Saia, Frank J., and G. N. McIntyre, to Hughes Aircraft Co. Package for semiconductor devices and method of making same. 3,354,258, 11–21–67, Cl. 174—52.
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Saimanov, Anatoly N., and V. F. Sovkin. Waviness tester for cylindrical surfaces of parts such as bearing fact grooves. 3,353,276, 11–21–67, Cl. 33—174.
Sain, Bernard S. Brake pedal depressing and holding device. 3,316,777, 5–2–67, Cl. 74—532.
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St. Clair, David L., S. W. Amberg, T. E. Doherty, and J. Phillips, to Lily-Tulip Cup Corp. Dispensing, filling and capping of portion containers. 3,354,614, 11–28–67, Cl. 53—282.
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St. Clair, Hal K., to International Business Machines Corp. Apparatus for magnetically recording data at a random location. 3,312,962, 4–4–67, Cl. 340—174.1.
St. Clair, Jimmy C., to Thiokol Chemical Corp. System and apparatus for obtaining and correlating surface data measurements. 3,311,919, 3–28–67, Cl. 346—33.
St. Clair, John C. Method of erecting supports and roofs over water for liquified gas storage. 3,340,692, 9–12–67, Cl. 61—.5.
St. Clair, Melvin E., to The American Society for the Prevention of Cruelty to Animals. Apparatus for the humane slaughter of small animals. 3,324,503, 6–13–67, Cl. 17—1.
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St. John, Edward A., to NRA, Inc. Solid tritium and deuterium targets for neutron generator. 3,320,422, 5–16–67, Cl. 250—84.5.
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St. Louis, Jacques R. J., and W. D. Russell, to Northern Electric Co. Ltd. Mounting assembly for electrical components. 3,309,579, 3–14–67, Cl. 317—101.
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Sainton, Joseph B., to Continental Electronics Mfg. Co. High efficiency amplifier and push-pull modulator. 3,314,024, 4–11–67, Cl. 332—43.
St. Onge, William R. Foldable pet house. 3,324,831, 6–13–67, Cl. 119—19.
St. Pierre, Henry. Rope or cable clamp. 3,333,303, 8–1–67, Cl. 24—125.
St. Pierre, Philippe D. S., to General Electric Co. Process for the production of plutonium oxide-containing nuclear fuel powders. 3,327,027, 6–20–67, Cl. 264—.5.
St. Pierre, Philippe D. S., to General Electric Co. High density urania fuel elements. 3,342,562, 9–19–67, Cl. 23—355.
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Stockel, Ivar H., and Taylor. 3,307,596.
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St. Thomas, William H., to St. Thomas Inc. Carrier. 3,295,-645, 1–3–67, Cl. 190—48.
Sair, Louis, and C. L. Griffith, to The Griffith Laboratories, Inc. Non-caking curing salt composition for meat and methods for making same. 3,335,016, 8–8–67, Cl. 99—222.
Sair, Louis, and L. Klee, to The Griffith Laboratories, Inc. Extracting values from turmeric. 3,340,250, 9–5–67, Cl. 260—236.5.
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Saito, Shigeru, T. Watanabe, and K. Noguchi, to Kureha Kagaku Kabushiki Kaisha. Photochemical reactor. 3,345, 140, 10–3–67, Cl. 23—285.
Saito, Sobei, Y. Yagi, S. Tsunoda, N. Fuyimoto, K. Irie, and Y. Hatano, to Teikoku Jinzo Kenshi Kabushiki Kaisha. Apparatus for manufacturing continuously cellulose esters from cellulose ester solution. 3,331,099, 7–18–67, Cl. 18—1.
Saito, Sukeyoshi. Testing apparatus for applying rapidly fluctuating air pressure on test specimens. 3,357,235, 12–12–67, Cl. 73—37.
Saito, Tadaomi, A. Yamazaki, T. Meguro, I. Kumashiro, and T. Takenishi, Ajinomoto Co., Inc. Method of preparing inosine or derivative thereof. 3,337,528, 8–22–67, Cl. 260—211.5.
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Sajulan, Bruno L. Fish trap. 3,337,982, 8–29–67, Cl. 43—65.
Sak, August B., and E. A. Price. Adjustable mounting assembly. 3,352,428, 11–14–67, Cl. 211—87.
Sak, August B., and E. A. Price. Modular construction and support means therefor. 3,356,403, 12–5–67, Cl. 287—189.36.
Sakaguchi, Kinichiro, M. Kibi, and A. Kuninaka, to Yamasa Shoyu Kabushiki Kaisha (d.b.a. Yamasa Shoyu Co., Ltd.). Flavoring composition containing sodium inosinate and monosodium glutamate. 3,318,710, 5–9–67, Cl. 99—140.
Sakai, Hiroshi, H. Hara, and A. Akioka, to The Nisshen Oil Mills Ltd. Denatured soybean protein and methods of making the same by treating at temperatures below 5° C. 3,303,182, 2–7–67, Cl. 260—123.5.
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Sakai, Michihiko, M. Kato, H. Hagiwara, and K. Konishi, to Takeda Chemical Industries, Ltd. Dithiocyanato amino alkanes. 3,318,936, 5–9–67, Cl. 260—454.
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Sakamoto, Hiromitsu, to Victor Co. of Japan, Ltd. Press machine for molding records. 3,298,059, 1–17–67, Cl. 18—5.3.
Sakamoto, Tatsuo, and Y. Sano, to Matsuchita Electric Industrial Co., Ltd. Electric cooking apparatus having thermomagnetic temperature control means. 3,328,561, 6–27–67, Cl. 219—442.
Sakamoto, Yoshizo. Process of deodorizing garlic. 3,326,698, 6–20–67, Cl. 99—140.
Sakano, Takeshi, and K. Toda, to Mitsubishi Kinzoku Kogya Kabushiki Kaisha. Aluminum alloy for galvanic anodes. 3,312,545, 4–4–67, Cl. 75—146.
Sakasegawa, Eugene I., to Winston Research Corp. Transducer head utilizing electromagnetic shielding for cross-talk elimination. 3,316,359, 4–25–67, Cl. 179—100.2.
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Sakharnov, Vasily A., S. I. Kuchuk-Jatsenko, E. I. Shinlov, and M. P. Khudjakov to Institute Elektrosvarki E. O. Paton. Device for adjusting items melting speed in butt welding machine 3,335,257, 8–8–67, Cl. 219—101.
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Sakita, Yoichi, and M. Maruta. Steering wheel of an automobile and the like equipped with the cigarette gas lighter. 3,304,801, 2–21–67, Cl. 74—552.
Sakomura, Toshio, M. Kikuchi, and H. Shimizu, to Toyo Soda Mfg. Co., Ltd., and Japan Organo Co., Ltd. Process for refining phosphoric acid preparations. 3,297,401, 1–10–67, Cl. 23—165.
Sakomura, Toshio, M. Kikuchi, and H. Shimizu, to Toyo Soda Mfg. Co., Ltd., and Japan Organo Co. Ltd. Process for refining phosphoric acid preparations. 3,342,549, 9–19–67, Cl. 23—165.
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Sakshaug, Eugene C., and E. W. Stetson, to General Electric Co. Lightning arrester for high energy switching surges. 3,320,482, 5–16–67, Cl. 317—61.
Sakuma, Akihiko, to Agency of Industrial Science Technology. System for measuring time intervals by means of timing pulses. 3 296,525, 1–3–67, Cl. 324—68.
Sakuma, Toramitsu, and I. Nakamura, to Hamano Resin Co., Ltd. Process for preparing graft copolymers of styrene-acrylonitrile-methyl methacrylate onto butadiene-styrene copolymer. 3,336,417, 8–15–67, Cl. 260—880.
Sakurada, Jim H., to Amsted Industrial Inc. Bell and spigot joint. 3,315,971, 4–25–67, Cl. 277—207.
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Sakurai, Ryoichi, and T. Shima, to Teikoku Jinzo Kenshi Kabushiki Kaisha. Sulfonic acid ester modified polyesters. 3,313,778, 4–11–67, Cl. 260—49.
Sakurai, Ryoichi, S. Tsunawaki, K. Nawata, T. Shima, and I. Fujimoto, to Teikoku Jinzo Kenshi Kabushiki Kaisha. Polyester compositions having improved dyeability. 3,314,-920, 4–18–67, Cl. 260—75.
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Salcer, William Z., to B. & S. Plastic Art, Inc. Intermediate article for making plastic articles. 3,323,976, 6–6–67, Cl. 161—118.
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Saldi, Ideal T., to General Electric Co. Photoconductive pick-up tube field mesh support. 3,321,655, 5–23–67, Cl. 313—65.
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Cranskens, Georg, and Salger. 3,359,380.
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Salger, Werner, to Werner Zindler d.b.a. Lumoprint Zindler KG. Contact printing devices. 3,352,222, 11–14–67, Cl. 95—73.
Salgo, Francis J., and G. S. P. Freeman, to General Electrodynamics Corp. Vidicon with connected conductive coatings on both sides of faceplate. 3,360,671, 12–26–67, Cl. 313—65.
Sali, Evelino. Reciprocating or vibratory electric razor. 3,324,-545, 6–13–67, Cl. 30—45.
Saligny, Claude, to Societe Rhodiaeta. Production of non-woven fibrous structures. 3,342,919, 9–19–67, Cl. 264—178.
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Sanders, Grady H., and J. K. McCollough, to Deering Milliken Research Corp. Automatic object handling apparatus. 3,347,033, 10–17–67, Cl. 57—53.

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Saraceno, Anthony J., to Gulf Research & Development Co. Determination of vanadium content of hydrocarbon oils by electron paramagnetic resonance spectrometry. Re. 26,312, 11–28–67, Cl. 208—251.
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Saraceno, Anthony J., to Pennsalt Chemicals Corp. Lubricating compositions. 3,331,775, 7–18–67, Cl. 252—32.5.
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Sarah, Thomas F., to Pflueger Corp. Line pickup assembly for spinning reels. 3,325,115, 6–13–67, Cl. 242—84.2
Sarah, Thomas F., to Pflueger Corp. Actuating mechanism for the line pickup in spinning reels. 3,327,962, 6–27–67, Cl. 242—84.2.
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Sarel, Shalom, Y. Yanuks, and Y. Shalon. Process for the preparation of butenolides derived from cyclopentano perhydro phenanthrenes. 3,342,813, 9–19–67, Cl. 260—239.57.
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Sargent, Raymond W., to Simmonds Precision Products, Inc. Fluid displacement sensor device. 3,334,203, 8–1–67, Cl. 200—82.
Sargent, Ronald J., to Thetford Engineering Corp. Wedge gate valve assembly. 3,333,814, 8–1–67, Cl. 251—203.
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Sarnoff, Stanley J. Training cartridge. 3,318,021, 5–9–67, Cl. 35—17.
Sarnoff, Stanley J. Automatic injection hypodermic syringe. 3,320,955, 5–23–67, Cl. 128—218.
Sarnoff, Stanley J., and J. W. Balenger; said Balenger assor. to said Sarnoff. Two compartment syringe with vapor seal between compartments. 3,326,215, 6–20–67, Cl. 128—218.
Sarnoff, Stanley J., and J. W. Balenger; said Balenger assor. to Sarnoff. Automatic hypodermic syringe. 3,330,279, 7–11–67, Cl. 128—218.
Sarnoff, Stanley J., and J. W. Balenger, said Balenger assor., to said Sarnoff. Two compartment syringe package. 3,336,-924, 8–22–67, Cl. 128—218.
Sarnoff, Stanley J., and J. W. Balenger, said Balenger assor. to said Sarnoff. Latched cartridge. 3,348,545, 10–24–67, Cl. 128—218.
Sarofeen, George M. J., to Titmus Optical Co., Inc. Lens holder for metallic blocking system. 3,353,307, 11–21–67, Cl. 51—216.
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Sarrat, Pierre, and R. Vuillemey, to Commissariat a l'Energie Atomique. Evaporating and depolymerizing device. 3,314,-400, 4–18–67, Cl. 122—33.
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Sarrois, Jean M., to Compagnie Francaise Houston-Hotchkiss Brandt. Grid electrode made of pyrolytic graphite. 3,307,-063, 2–28–67, Cl. 313—348.
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Sarto, Jorma O., to Chrysler Corp. Method of operating an automotive engine. 3,353,524, 11–21–67, Cl. 123—117.
Sarto, Jorma O., to Chrysler Corp. Hot start venting. 3,353,-801, 11–21–67, Cl. 261—43.
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Sartori, Mario F., to E. I. du Pont de Nemours and Co. 5-nitro-2-thiazole-3′-amino arylcarbonyl and arylsulfonyl anilide azo dyes. 3,336,286, 8–15–67, Cl. 260—158.
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Sarvice, Charlie, Jr., and H. G. Rhyne. Flower pick. 3,302,-329, 2–7–67, Cl. 47—55.
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Sasaki, Kanzo, to Shionogi & Co., Ltd. 5α-hydroxy-6β-azidopregnanes and 5α-hydroxy-6β-aminopregnanes. 3,345,363, 10–3–67, Cl. 260—239.55.
Sasaki, Kanzo, and J. Kawanami, to Shionogi & Co., Ltd. Oxazepine derivative of 12β-amino-α-pregnane-3β-.20β-diol. 3,300,487, 1–24–67, Cl. 260—239.55.
Sasaki, Minoru, T. Yamamoto, A. Ichikawa, T. Ohzeki, K. Senda, and S. Masunaka, to Mitsubishi Rayon Co., Ltd. Dyeable polypropylene fibers containing aluminum salts. 3,355,402. 11–28–67, Cl. 260—23.
Sasaki, Noburo, M. Mishima, and Y. Sugai, to Kabushiki-Kaisha Nikon Seikosho and Zaidankojin Sekitan Sogo Kenkyusho. Apparatus for spraying and ultrasonic washing of bottles. 3,302,655, 2–7–67, Cl. 134—79.
Sasaki, Rentaro, to Oki Electric Industry Co. Ltd. Type drum selector using sliding plates. 3,295,652, 1–3–67, Cl. 197—53.
Sasaki, Rentaro. Type drum printer with hammer mounted inside of and coaxial with drum. 3,326,346, 6–20–67, Cl. 197—53.
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Sasaki, Ryoichi, and M. Kurosawa, to Hitachi, Ltd. Low alloyed heat resisting steel. 3,331,682, 7–18–67, Cl. 75—126.
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Sasaki, Yoichiro. Refuse destruction system and furnace therefor. 3,330,230. 7–11–67, Cl. 110—17.
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Sasaki, Yozo, and S. Ishihara, to Nippon Electric Co. Ltd. Water collecting apparatus having a synthetic resin roof treated with an oxidizing agent. 3,336,206, 8–15–67, Cl. 202—234.
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Sasakura, Makoto, and K. Hirayama. Method for the preparation of fluorine derivatives of halogenated hydrocarbons. 3,342,881, 9–19–67, Cl. 260—653.7.
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Sasmor, Ernest J., to The Purdue Frederick Co. Galacturonic acid salts useful in the treatment of diarrheal and dermatologic diseases. 3,316,242, 4–25–67, Cl. 260—209.5.
Sass, Fred A.: *See*—
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Sassak, Frank. Tube bending machine. 3,306,093, 2–28–67, Cl. 72—389.
Sassak, Frank. Flexible mandril for pipe or tube bending. 3,315,516, 4–25–67, Cl. 72—466.
Sassak, Frank. Tube bending machine and mandrel assembly. 3,344,639, 10–3–67, Cl. 72—150.
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Sassenroth, Karl-Wilhelm, G. Jansen, and R. Brugger, to Langbein-Pfanhauser Werke A.G. Electrodeposition of bright copper. 3,322,657, 5–30–67, Cl. 204—52.
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Lewis, Benjamin A., Sassiver, and Shepherd. 3,341,532.
Lewis, Benjamin A., Sassiver, and Shepherd. 3,345,366.
Lewis, Benjamin A., Sassiver, and Shepherd. 3,345,368.
Sassiver, Martin L., B. A. Lewis, and R. G. Shepherd, to American Cyanamid Co. Substituted 7-acetylamino cephalosporanic acids. 3,345,367, 10–3–67, Cl. 260—243.
Sassiver, Martin L., B. A. Lewis, and R. G. Shepherd, to American Cyanamid Co. Novel substituted 7-acetylamino cephalosporanic acids. 3,345,369, 10–3–67, Cl. 260—243.
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Satake, Toshihiko. Apparatus of controlling the yield of a polishing machine for grains. 3,334,675, 8–8–67, Cl. 146—251.
Satas, Donatas, to The Kendall Co. Method of producing breathable structures. 3,325,322, 6–13–67, Cl. 156—62.2.
Satas, Wallace J., to Dennison Mfg. Co. Inking device. 3,312,193, 4–4–67, Cl. 118—264.
Satch, Tatsuo, and G. Hirata, to The Yokoham Rubber Co., Ltd. Method of making hollow ring gaskets. 3,352,006, 11–14–67, Cl. 29—512.
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Sather, Eugene, and L. H. Stocker, to Bell & Howell Co. Combination inserter and collator having reverse insert track. 3,306,606, 2–28–67, Cl. 270—58.
Satkunas, Bruno, to Dominion Electric Corp. Brush holder. 3,312,845, 4–4–67, Cl. 310—247.
Satkunas, Bruno, to Dominion Electric Corp. Shish kebab cooking fixture. 3,329,082, 7–4–67, Cl. 99—421.
Sato, Gisen: *See*—
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Sato, Heizaburo, to Taiyo Yuden Kabushiki Kaisha. Apparatus for manufacture of ceramic condenser elements. 3,312,-192, 4–4–67, Cl. 118—226.
Sato, Hideo: *See*—
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Kojima, Koichi, and Sato. 3,319,925.
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Sato, Ichijiro: *See*—
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Sato, Isao. Method of manufacturing paper pipe. 3,354,800, 11–28–67, Cl. 93—94.
Sato, Isuke, to Memofon Co., Ltd. Tape recorder operating device. 3.357,650, 12–12–67, Cl. 242—55.12.
Sato, Katsuo: *See*—
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Sato, Katsuo, and T. Irie, to Nippon Electric Co. Ltd. Method of making a conductive connection to a semiconductor device electrode. 3,304,595, 2–21–67, Cl. 29—25.3.
Sato, Kazuo, T. Karasawa, T. Fukazawa, E. Sekiya, and T. Sato, to Taiyo Yuden Co., Ltd. Tubular electric element manufacturing apparatus. 3,317,701, 5–2–67, Cl. 219—56.
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Sato, Keishi, to Toyo Sen-I Kabushiki Kaisha. Apparatus for manufacturing bast fiber sliver. 3,339,243, 9–5–67, Cl. 19—5.
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Sato, Michiho: *See*—
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Sato, Noriaki: *See*—
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Sato, Norio. to Nippon Electric Co. Ltd. Two-cavity klystron oscillator using an auxiliary tuning resonator to adjust the resonant frequency of the cavities. 3,299,312, 1–17–67, Cl. 315—5.44.

Sato, Shichiro. Plier-type tool having cam and slot actuation means. 3,308,692, 3–14–67, Cl. 81—342.
Sato, Shimao: *See*—
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Sato, Shiro: *See*—
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Sato, Takeo. Oil indicator-magnetic filter apparatus. 3,356,-216, 12–5–67, Cl. 210—94.
Sato, Tetsuo, and H. Oba, to Tokyo Denki Kabushiki Kaisha. Apparatus for calculating complements in calculating machines. 3,315,885, 4–25–67, Cl. 235—60.
Sato, Tokushige: *See*—
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Sato, Toru, S. Katsuyama, and T. Sasaki, to Asahi Kasei Kogyo Kabushiki Kaisha. Method for melt-spinning of filamentary articles. 3,318,989, 5–9–67, Cl. 264—176.
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Saunders, Fred Q., to Richmond Engineering Co., Inc. Water heating apparatus. 3,332,478, 7–25–67, Cl. 165—76.
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Savage, Everett A. Vehicle license plate holder and locking means. 3,340,640, 9–12–67, Cl. 40—209.
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Schibbye, Lauritz B., to Svenska Rotor Maskiner Aktiebolag. Screw rotor machine with an elastic working fluid. 3,307,777, 3–7–67, Cl. 230—143.

Schibbye, Lauritz B., to Svenska Rotor Maskiner Aktiebolag. Screw compressor. 3,314,597, 4–18–67, Cl. 230—138.

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Schibley, Raymond D., to Westinghouse Electric Corp. Oven. 3,358,120, 12–12–67, Cl. 219—395.

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Pinter, Henry J. 3,356,468.

Schick, Georges. Apparatus for the automatic control of the headlights of a vehicle. 3,319,116, 5–9–67, Cl. 315—83.

Schick, Henry C., to International Business Machines Corp. Method of making through-connections by controlled punctures. 3,346,950, 10–17–67, Cl. 29—625.

Schick, Joachim, to Continental Gummi-Werke Aktiengesellschaft. Bearing bushing. 3,322,475, 5–30–67, Cl. 308—36.1.

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Schick, John W., and J. H. Mahar, to Mobil Oil Co. Asphalt-aldehyde-phenolic compound containing compositions. 3,301,803, 1–31–67, Cl. 260—28.

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Schick, Jules, to Goro Societe Anonyme. Clip connection for belts. 3,327,358, 6–27–67, Cl. 24—33.

Schicke, Hans-Gerd, to Farbenfabriken Bayer Aktiengesellschaft. Phosphoric, phosphonic, phosphinic or thionophosphoric, -phosphonic, -phosphinic acid esters. 3,299,188, Cl. 260—940.

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Schickle, Ernst, to Rheingold Breweries, Inc. Automatic keg feeder. 3,317,025, 5–2–67, Cl. 198—26.

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Schickle, Ernst R., to Rheingold Breweries, Inc. Apparatus for removing beer kegs from a conveyor and accumulating the kegs in groupings for storage thereof. 3,301,380, 1–31–67, Cl. 198—33.

Schickle, Gerhard, W. Krank, and E. Schuttloffel, to Telefunken Patentwertungs-G.m.b.H. Asymmetrical waveguide. 3,299,374, 1–17–67, Cl. 333—95.

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Schiefer, Harry M., and D. R. Weyenberg, to Dow Corning Corp. *p*-Diethylaminophenyl silanes. 3,340,286, 9–5–67, Cl. 260—448.2.

Schiefer, Harry M., J. W. Vandyke, and J. S. Delphenich. Silicone greases of high mechanical and thermal stability. 3,344,066, 9–26–67, Cl. 252—28.

Schiefer, Harry M., and D. R. Weyenberg, to Dow Corning Corp. High temperature lubricants. 3,344,070, 9–26–67, Cl. 252—49.6.

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Schiermeier, Knapel F., and C. W. Judd, to Shell Oil Co. Lubricant for rolling metals. 3,311,557, 3–28–67, Cl. 252—34.

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Schiff, Daniel, to Union Carbide Corp. Broad band circular polarizer utilizing a plate of pyrolytic boron nitride. 3,311,853, 3–28–67, Cl. 333—21.
Schiff, Peter, to Radio Corp. of America. Transistorized ignition circuit. 3,340,861, 9–12–67, Cl. 123—148.
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Schiff, Thomas : *See*—
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Saunders, Elerington, and Schiff. 3,334,979.
Schiffer, Gunter, to Kleinewefers, Joh. Sohne Maschinenfabrik. Driving arrangement having primary and supplementary motor means for driving trains of mechanism especially web material mechanism. 3,338,493, 8–29–67, Cl. 226—111.
Schiffer, Gunter, to Kleinewefers, Joh., Sohne. Method of controlling the steam in treatment chambers for textile materials. 3,343,187, 9–26–67, Cl. 8—149.3.
Schiffer, Günter, to Kleinewefers, Joh., Sohne Maschinenfabrik. Processing chamber for web material, especially wide textile material. 3,357,212, 12–12–67, Cl. 6—8.
Schiffer, Henry, and E. Pascucci, to The Miller Co. Lighting fixture with interchangeable reflectors. 3,329,811, 7–4–67, Cl. 240—51.11.
Schiffer, Maximilian. Hydraulic driving device for tools or the like, particularly for the movable mold parts of plastic die casting machines. 3,327,474, 6–27–67, Cl. 60—51.
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Schiffers, Ansgar, to Societe Degremont Societe Anonyme. Filters for the direct filtration of water. 3,335,868, 8–15–67, Cl. 210—274.
Schiffman, Bernard, ½ to Z. Schiffman. Infant's convertible chair bed. 3,359,035, 12–19–67, Cl. 297—317.
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Schildgen, Robert M., and J. S. Young, to Automatic Electric Laboratories, Inc. Time division signaling arrangement. 3,333,245, 7–25–67, Cl. 340—147.
Schill, Hermann, to MAJA Maschinenfabrik Herman Schill K.G. Machine for removing the rind from bacon or like machine having an adjustable blade holder and a feed roll. 3,360,026, 12–26–67, Cl. 146—130.
Schiller, Arthur M., G. A. Tanner, and A. F. Lewis, to American Cyanamid Co. Adhesion of urethane adhesives to metals. 3,309,261, 3–14–67, Cl. 161—190.
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Schilling, Lorell J., and O. Oanes, to Schilling Electric Co. Pulsator for milker. 3,307,585, 3–7–67, Cl. 137—625.66.
Schilling, Paul K., to Plastics Inc. Method of producing two tone dishes and the like. 3,309,448, 3–14–67, Cl. 264—245.
Schilling, Werner. Plant cultivating device. 3,331,154, 7–18–67, Cl. 47—34.
Schilling, Werner, H. Reiber, and R. Gorl, to Patent-Treuhand-Gesellschaft fur Electrische Gluhlampen m.b.H. Photoflash lamp with primer. 3,312,085, 4–4–67, Cl. 67—31.
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Schimmel, Madalyn M. Injury protector. 3,334,626, 8–8–67, Cl. 128—154.
Schimmel, Morry L., to McDonnell Aircraft Corp. One-way explosive connector device. 3,326,127, 6–20–67, Cl. 102—27.
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Schindler, Gottfried, and K. Sauter, to Luwa Ag. Quick closure mechanism for the air passage openings of shelters and the like. 3,301,168, 1–31–67, Cl. 98—119.
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Schindler, Karl, to Henschel-Werke A.G. Steering mechanism for vehicles with non-dirigible wheels. 3,316,992, 5–2–67, Cl. 180—6.2.
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Schindler, Walter, and H. Blattner, to Geigy Chemical Corp. Certain 11-substituted-5H-dibenz[6,f]azepin-10-one-compounds. 3,326,898, 6–20–67, Cl. 260—239.
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Schindling, Josef, to Metallgesellschaft Aktiengesellschaft. Multi-cell centrifugal dust separator. 3,350,852, 11–7–67, Cl. 55—348.
Schink, Norbert, to Siemens-Schuckertwerke Aktiengesellschaft. Jogging device in apparatus for treating semiconductor wafers in gas. 3,295,492, 1–3–67, Cl. 118—48.
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Schipper, Edgar S., to Shulton, Inc. 2-pyridyl-2,3-dihydro-4(1H)-quinazolinones and derivatives thereof. 3,316,269, 4–25–67, Cl. 260—256.4.
Schipper, Edgar S., to Shulton, Inc. 3-β-(4-pyridyl)ethyl-2,3-dihydro-4(1H)-quinazolinones. 3,322,766, 5–30–67, Cl. 260—256.4
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Schippers, Heinz, to Barmer Maschinenfabrik Aktienges. Apparatus for spinning filaments of synthetic thermoplastic fiber-forming polymers. 2,295,160, 1–3–67, Cl. 18—8.
Schippers, Heinz, to Barmer Maschinenfabrik Aktiengesellschaft. Extruder for processing solid thermoplastics. 3,327,347, 6–27–67, Cl. 18—12.
Schippers, Heinz, to Barmer Maschinenfabrik Aktiengesellschaft. Process for the formation of dense winding bodies. 3,329,360, 7–4–67, Cl. 242—18.
Schippers, Heinz, and W. Niemeyer, to Barmer Maschinenfabrik Aktiengesellschaft Wuppertal-Oberbarman. Device for granulating extruded polymers. 3,349,433, 10–31–67, Cl. 18—12.
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Schischkow, Konstantin F., ⅓ to A. F. Kronman, ⅓ to H. Stern, and ⅓ to L. Alexander. Apparatus for moistening and cutting individual units from a sheet. 3,323,487, 6–6–67, Cl. 118—41.
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Schlaf, Stanley O. Merchadise dispensing machine module including a helical article discharge means. 3,355,064, 11–28–67, Cl. 221—14.
Schlafly, Hubert J., to Tele Pro Industries Inc. Data recorder, responder and teaching system. 3,299,534, 1–24–67, Cl. 35—9.
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Schlatter, Walter J., to Sperry Rand Corp. Low distortion magnetic recorder. 3,345,468, 10–3–67, Cl. 179—100.2.
Schlecht, Frederick J., ½ each to H. H. Brown Shoe Co., and George H. Rosen Shoe Mfg. Co., Inc. Stitched shoe with inner lining. 3,350,795, 11–7–67, Cl. 36—2.5.
Schlecht, Raymond J. Boat ladder. 3,305,045, 2–21–67, Cl. 182—97.
Schlecht, Siegfried: *See*—
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Schlechter, Alfred, to Firma E. Wolff Maschinenfabrik u. Eisengiesserei. Drag-line winch. 3,352,540, 11–14–67, Cl. 254—185.
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Sweeney, Richard F., Anello, Schlechter, and Veldhuis. 3,333,002.
Schleede, Dietrich: *See* –
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Rochlitz, Fritz W. A., Schleede, and Schulde. 3,332,912.
Schleer, Hermann O., and K. Bornschein, Said Bornschein, assignor to said Schleer. Process and apparatus for soldering in the presence of hydrogen gas. 3,356,830, 12–5–67, Cl. 219—373.
Schleeweiss, Robert: *See*—
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Schlegel, Jurgen, and G. Kolling. Process for producing pyromellitic acid and mellophanic acid. 3,350,443, 10–31–67, Cl. 260—523.

Schlegel, Karl F., Jr., to Kay-El Sales Corp. Toothbrush. 3,354,491, 11–28–67, Cl. 15—167.

Schlegel Mfg. Co., The: *See*—
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Engel, Edward F., and Scherzer. 3,342,533.
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Kondolf, Karl Q. 3,359,688.

Schlegel, Werner. Process for pressure-forming metallic bodies. 3,349,472, 10–31–67, Cl. 29—528.

Schlegelmilch, Harry K.: *See*—
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Schleich, Fritz, to United Aircraft Corp. Arrangement for welding, cuting or working materials by means of an electron beam. 3,308,263, 3–7–67, Cl. 219—121.

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Schleicher, Hans-Walter, to Metallgesellschaft Aktiengesellschaft. Apparatus for alkali chloride electrolysis having a corrosion resistant anode. 3,297,560, 1–10–67, Cl. 204—250.

Schleicher, Harold E., to The Arrow-Hart & Hegeman Electric Co. Tool handle switch. 3,312,801, 4–4–67, Cl. 200—68.

Schleicher, Harold E., to The Arrow-Hart & Hegeman Electric Co. Silent electric switch. 3,354,275, 11–21–67, Cl. 200—68.

Schleicher, Harold E., to The Arrow-Hart & Hegeman Electric Co. Fused puller switch with fuses which can be removed only when the fused section is first removed. 3,358,100, 12–12–67, Cl. 200—114.

Schleimer, Bernhard, to Chemische Werke Huls A.G. Production of low molecular weight liquid polymers of 1,3-diolefins. 3,312,752, 4–4–67, Cl. 260—680.

Schleimer, Bernhard, and H. Weber, to Chemische Werke Huls Aktiengesellschaft. Liquid polymers of butadiene and styrene having a predominantly 1,4-cis structure. 3,321,541, 5–23–67, Cl. 260—669.

Schleimer, Bernard, and H. Weber, to Chemische Werke Huls Aktiengesellschaft. Process for the production of low molecular weight, liquid polybutadienes having a predominately 1,4-cis-structure and product. 3,329,734, 7–4–67, Cl. 260—680.

Schleimer, Bernhard, and H. Weber, to Chemische Werke Huls A.G. Process for the production of low-molecular weight liquid butadiene/diolefin copolymers with a high content of centrally positioned double bonds. 3,341,617, 9–12–67, Cl. 260—680.

Schlein, Helmar, to North American Aviation, Inc. Optimal controller computer. 3,309,507, 3–14–67, Cl. 235—150.1.

Schlein, Helmar, to North American Aviation, Inc. Voltage detection circuit. 3,309,614, 3–14–67, Cl. 328—147.

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Schlein, Seymour N., to The Fanner Mfg. Co. Line spacer, damper and corona eliminating means. 3,308,228, 3–7–67, Cl. 174—42.

Schleiss, David R., to Davco (Proprietary) Ltd. Sedimentation apparatus. 3,305,096, 2–21–67, Cl. 210—195.

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Schlentner, Karl O., and H. W. Williams, to Crane Co. Edge guide for finned tube baseboard heaters. 3,339,630, 9–5–67, Cl. 165—55.

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Schlernitzauer, Edward A., to Swift & Co. Method and apparatus for vacuum mixing food emulsions. 3,314,383, 4–18–67, Cl. 107—54.

Schlernitzauer, Edward A., to Swift & Co. Apparatus for dispensing and mixing measured amounts of liquid. 3,326,530, 6–20–67, Cl. 259—8.

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Schlesinger, Heinz, and J. Munder, to Keuffel & Esser Co. Diazo-type intermediate comprising a layer containing a tri-substituted phenol coupler. 3,307,949, 3–7–67, Cl. 96—75.

Schlesinger, Joseph H., to Eagle Chemical Co. Silicious dental filling. 3,328,880, 7–4–67, Cl. 32—15.

Schlesinger, Kurt, to General Electric Co. Electron focus projection and scanning system. 3,319,110, 5–9–67, Cl. 315—17.

Schlesinger, Kurt, to General Electric Co. Electrostatic electron optical system. 3,327,160, 6–20–67, Cl. 315—17.

Schlesinger, Martin D.: *See*—
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Schlesinger, Sheldon I., to Thiokol Chemical Corp. Oxiranyl thiirane and its preparation. 3,328,425, 6–27–67, Cl. 260—327.

Schlesinger, Sheldon I., to Thiokol Chemical Corp. Oxiranyl thiirane interpolymers. 3,331,820, 7–18–67, Cl. 260—79.7.

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Schlicht, Gunther, and Lange. 3,349,850.

Schlicht, Gunther, deceased (by E. M. E. Schlicht, legal representative), and H. Lange, to Deutsche Erdol Aktiengesellschaft. Apparatus and process for underground heat and radiation treatment of bitumens. 3,325,373, 6–13–67, Cl. 176—39.

Schlicht, Gunther, deceased, (by E. M. Schlicht, legal representative), and H. Lange, to Deutsche Erdol-Aktiengesellschaft. Underground nuclear reactor and method of installing and operating the same. 3,341,424, 9–12–67, Cl. 176—39.

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Schlichte, Max: *See*—
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Schlichte, Max, to Siemens & Halske Aktiengesellschaft. Circuit arrangement for pulse energy transmission. 3,303,286, 2–7–67, Cl. 179—15.

Schlichte, Max, to Siemens & Halske Aktiengesellschaft. Communication transmission system having a plurality of differently loaded two-wire line sections. 3,339,023, 8–29–67, Cl. 179—15.

Schlichte, Max, to Siemens Aktiengesellschaft, Berlin and Munich. Linking circuits for telephone systems comprising transformers utilizing only the linear working range thereof. 3,348,202, 10–17–67, Cl. 340—166.

Schlichtig, Ralph C. Dynamic pump type refrigeration system. 3,298,196, 1–17–67, Cl. 62—500.

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Schlichting, Karl, to Nordischer Maschinenbau Rud. Apparatus for decapitating and feeding fishes into dressing machines. 3,319,284, 5–16–67, Cl. 17—4.

Schlicke, Heinz M., to Allen-Bradley Co. Feedback arrangements for transforming isolator and gyrator circuits into similar or opposite type of circuit. 3,300,738, 1–24–67, Cl. 333—24.1.

Schlicke, Heinz M., F. A. Blomdahl, J. T. Barbieri, and R. J. Kocorowski, to Allen-Bradley Co. Low transfer impedance capacitor with resistive electrode. 3,329,911, 7–4–67, Cl. 333—79.

Schlieben, Ernest W. VTOL with cylindrical wing. 3,350,035, 10–31–67, Cl. 244—7.

Schliebs, Reinhard, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of organic phosphine halides. 3,312,606, 4–4–67, Cl. 204—62.

Schliebs, Reinhard, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of organic phosphorus halo-aluminum halide complexes. 3,329,697, 7–4–67, Cl. 260—448.

Schlig, Eugene S.: *See*—
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Schlight, Raymond C., E. E. Schallenberg, and E. Moroz, to Texaco Inc. Derivatives of cyclic ketals. 3,308,064, 3–7–67, Cl. 252—46.6.

Schlighting, Hans L., and E. I. Lichtblau, to Hooker Chemical Corp. Separation and isolation of 2,2(2,4'-dihydroxydiphenyl)propane and 2,2,4-trimethyl 4(4'-hydroxyphenyl)chroman from mixtures containing the same. 3,359,281, 12–19–67. Cl. 260—345.2.

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Schlitt, Helmut W. E., to Bell Aerospace Corp. Inertial navigation systems. 3,359,805, 12–26–67, Cl. 74—5.6.

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Schlitz, Boyd D., to Daffin Corp. Haystack transporting device. 3,298,550, 1–17–67, Cl. 214—505.

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Schloss, Fred, to United States of America, Navy. Automatic recording phase and ratio meter. 3,296,528, 1–3–67, Cl. 324—83.

Schloss, Fred, to United States of America, Navy. Transducer mounting. 3,311,761, 3–28–67, Cl. 310—8.4.

Schloss, Fred, to United States of America, Navy. Intensity meter, particle acceleration type. 3,311,873, 3–28–67, Cl. 340—10

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Schloss, Fred, to United States of America, Navy. Hydrophone unit. 3,333,236, 7–25–67, Cl. 340—8.

Schlossberg, Louis, to Detrex Chemical Industries, Inc. Wipe-on phosphating composition. 3,346,426, 10–10–67, Cl. 148—6.17.

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Schlosser, Gunther, to W. Gutbrod, and W. Gutbrod. Variable speed drive for adjustable gage axles. 3,315,757, 4–25–67, Cl. 180—75.

Schlossmacher, Hubert, to Hauni-Werke Korber & Co. K.G. Apparatus for transferring tobacco to tobacco processing machines. 3,311,114, 3–28–67, Cl. 131—109.

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Schlueter, Ernest. Polygonal shafted stud with corner grooves. 3,327,581, 6–27–67, Cl. 85—5.

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Schluter, Heinz, and H. Schonemeyer, to International Standard Electric Corp. Make before break ball type armature reed relay switching network. 3,347,995, 10–17–67, Cl. 179—18.

Schlüter, Herbert, to Chemische Werke Huls Aktiengesellschaft. Latex agglomeration using oxidized polyalkylene oxide. 3,330,795, 7–11–67, Cl. 260—29.7.

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Schmall, Edwin A., and J. R. Lovett, to Esso Research and Engineering Co. Difluoroamino acetals and method of preparation. 3,346,641, 10–10–67, Cl. 260—584.

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Schmeckenbecher, Arnold F., to International Business Machines Corp. Electroless plating of magnetic material. 3,350,210, 10–31–67, Cl. 106—1.

Schmednecht, Fred C. Garment hanger. 3,343,733, 9–26–67, Cl. 223—95.

Schmeiser, Kurt, K. Lehmann, H.-W. Ziegler, and W. Kowalski, to Knapsack Aktiengesellschaft. Process and apparatus for controlling the temperature prevailing in a sintering grate of the type used for drying and calcining shapes. 3,343,823, 9–26–67, Cl. 263—28.

Schmeling, William H., and R. E. Macherey, to Square D Co. Energizing circuit for positioning system transducer. 3,345,556, 10–3–67, Cl. 323—43.5.

Schmelzer, Hans-Georg: *See*—
Degener, Eberhart, Holtschmidt, and Schmelzer. 3,301,898.
Degner, Eberhart, Schmelzer, and Holtschmidt. 3,325,543.
Degener, Eberhart, Schmelzer, and Holtschmidt. 3,335,189.

Schmelzer, Hans-Georg, and H. Holtschmidt, to Farbenfabriken Bayer Aktiengesellschaft. Preparation of polythioethers. 3,312,743, 4–4–67, Cl. 260—609.

Schmelzer, Hans-Georg, and E. Degener, to Farbenfabriken Bayer Aktiengesellschaft. 2-mercapto-s-triazines. 3,347,859, 10–17–67, Cl. 260—248.

Schmerl, Egon F. Walker. 3,354,893, 11–28–67, Cl. 135—45.

Schmerler, Joseph, to Major Pool Equipment Corp. Filtergrid support. 3,295,687, 1–3–67, Cl. 210—486.

Schmerler, Joseph, to Major Pool Equipment Corp. Swimming pool coping. 3,298,039, 1–17–67, Cl. 4—172.

Schmerling, Louis, to Universal Oil Products Co. Light sensitive quinoline diazo compounds. 3,297,443, 1–10–67, Cl. 96—91.

Schmerling, Louis, to Universal Oil Products Co. Salts of nuclear cycloalkyl aromatic amines. 3,297,761, 1–10–67, Cl. 260—579.

Schmerling, Louis, to Universal Oil Products Co. Preparation of unsaturated carboxylic acids. 3,317,590, 5–2–67, Cl. 260—514.

Schmermund, Alfred. Apparatus for automatically charging a container with rod-like objects. 3,298,549, 1–17–67, Cl. 214—307.

Schmermund, Alfred. Cigarette feeding arrangements. 3,301,375, 1–31–67, Cl. 198—24.

Schmermund, Alfred. Cigarette-magazine filling machines. 3,324,622, 6–13–67, Cl. 53—151.

Schmermund, Alfred. Sensing devices for cigarette packing machines. 3,360,658, 12–26–67, Cl. 250—231.

Schmerreim, Volker: *See*—
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Schmersahl, George W.: *See*—
Dews, Jule N., Schmersahl, and Patrick. 3,321,086.

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Schmid, Adolf: *See*—
Erdmann, Otto, and Schmid. 3,308,600.

Schmid, Alfred: *See*—
Brandl, Ernst, Schmid, and Steiner. 3,337,415.

Schmid, Alois, to Hoffman Maschinen G.m.b.H. Pressing machine. 3,317,094, 5–2–67, Cl. 223—57.

Schmid, Alois, and H. Hofer. Process for firing and cooling particulate solids. 3,351,685, 11–7–67, Cl. 263—52.

Schmid, Anthony P., R. F. Nelson, and W. Rindner, to Raytheon Co. Four-layer pressure sensitive barrier type transducer device. 3,339,085, 8–29–67, Cl. 307—88.5.

Schmid, Anton, to Siemens Aktiengesellschaft. Liquid contact operating through a mechanical displacement of mercury. 3,358,109, 12–12–67, Cl. 200—152.

Schmid, August, to Patentverwertungs- und Finanzierungsgesellschaft Serania AG. Apparatus for testing the position and for raising the bowling pins in a pin setting machine. 3,333,849, 8–1–67, Cl. 273—42.

Schmid, Bruce K.: *See*—
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Beuther, Harold, and Schmid. 3,354,076.
Beuther, Harold, Schmid, and Stewart. 3,306,843.
Henke, Alfred M., Schmid, and Strom. 3,349,025.

Schmid, Edgar. Countersink. 3,302,495, 2–7–67, Cl. 77—73.5.

Schmid, Erich: *See*—
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Schmid, Erwin F., to SKF Kugellagerfabriken Gesellschaft mit beschrankter. Spindle bearing arrangement for a textile machine. 3,298,757, 1–17–67, Cl. 308—152.

Schmid, Franz. Cover plate for liquid manure channels in cow stalls. 3,307,520, 3–7–67, Cl. 119—28.

Schmid, Hans: *See*—
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Schmid, Hans G., and G. R. Ferrante, to Shell Oil Co. Bleaching composition. 3,345,303, 10–3–67, Cl. 252—186.

Schmid, Heinrich, and A. Bernet. Punch press having means to change lengths of the ram. 3,298,267, 1–17–67, Cl. 83—530.

Schmid, Hermann: *See*—
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Schmid, Hermann, to General Precision Systems, Inc. Function generator. 3,345,505, 10–3–67, Cl. 235—197.

Schmid, Howard C. Sub-surface soil irrigators. 3,302,408, 2–7–67, Cl. 61—13.

Schmid, John H., and N. J. Anderson, to Zurn Industries, Inc. Roof drain. 3,357,561, 12–12–67, Cl. 210—163.

Schmid, John H., and R. J. Zentis, to Zurn Industries, Inc. Dual element filter assembly with backwash arms. 3,357,566, 12–12–67, Cl. 210—333.

Schmid, Karl, to Oerlikon-Buhrle Holding AG. Spindle for spinning and twisting machine. 3,354,629, 11–28–67, Cl. 57—135.

Schmid, Karl, J. Stedefeder, G. John, M. Haeberle, H. Lautenschlager, and H. G. Trieschmann, to Badische Anilin-& Soda-Fabrik Aktiengesellschaft. Process and apparatus for the polymerization of monoolefines. 3,300,457, 1–24–67, Cl. 260—88.2.

Schmid, Konrad. Reactance amplifier including phase modulation and demodulation. 3,302,121, 1–31–67, Cl. 330—7.

Schmid, Leonhard. Portable holder for golf clubs. 3,353,838, 11–21–67, Cl. 280—47.19.

Schmid, Leopold F.: *See*—
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Schmid, Otto: *See*—
Wismayr, Karl, Schmid, Kilches, and Zolss. 3,340,298.

Schmid, Otto, H. S.-M. Lerchenthal, G. Zolss, R. Gratz, and K. Wismayr, to Osterreichische Stickstoffwerke Aktiengesellschaft. N,N′-bis-[2-(3′,4′-dihydroxyphenyl) - 2-hydroxyethyl]-hexamethylene-diamine and salts thereof. 3,329,709, 7–4–67, Cl. 260—570.6.

Schmid, Paul, to Kali-Chemie Aktiengesellschaft. Preparation of potassium bicarbonate. 3,347,623, 10–17–67, Cl. 23—64.

Schmid, Paul, A. Comunetti, and T. Hürlimann, to Gesellschaft zur Forderung der Forschung an der Eidgenossichen Technischen Hochschule. Method for gamma compensating an ionization type neutron detector. 3,335,277, 8–8–67, Cl. 250—83.1.

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Wezel, Walter, and Wezel. 3,346,956.
Schmid, William P., and W. F. Zador, to International Telephone and Telegraph Corp. Vibrating vacuum head. 3,337,-898, 8–29–67, Cl. 15—404.
Schmidbauer, Hans, and C. Claas. Engraving machine. 3,296,700, 1–10–67, Cl. 33—24.
Schmidli, Heinz W. Fluid filter with stacked filtering elements. 3,319,795, 5–16–67, Cl. 210—457.
Schmidlin, Frederick W., to GTC Corp. Narrow band emitter devices. 3,310,685, 3–21–67, Cl. 307—88.5.
Schmidt, Albert S., Sr. : *See*—
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Irving, Frank M., Jr., Schmidt, and Potter. 3,322,314.
Schmidt, Alfred : *See*—
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Weinrotter, Ferdinand, Muller, Schmidt, Bohler, and Schweighofer. 3,310,559.
Schmidt, Alfred, Ing. : *See*—
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Schmidt, Alfred, Jr., to Ing. Alfred Schmidt. Street sweeper. 3,337,890, 8–29–67, Cl. 15—83.
Schmidt, Alfred W., Jr. : *See*—
Spangler, Paul J., and Schmidt. 3,323,346.
Schmidt, Arnold W. Method and apparatus for producing knit pile fabric. 3,299,672, 1–24–67, Cl. 66—9.
Schmidt, Arthur W., to Consolidated Stamp Mfg. Co. Punch printing elements and kits. 3,304,857, 2–21–67, Cl. 101—30.
Schmidt, August, Jr., to Acme Electric Corp. Six-phase rectifier wherein the input even harmonics are eliminated. 3,308,368, 3–7–67, Cl. 321—9.
Schmidt, Charles C. Pliers-type hand tool. 3,314,319, 4–18–67, Cl. 81—367.
Schmidt, Charles J., and J. R. Vincent, to E. I. du Pont de Nemours and Co. Process for preparing bonded biaxially compressed fibrous blocks. 3,325,324, 6–13–67, Cl. 156—72.
Schmidt, Dagobert O., and A. E. Miller. Sealing ring unit. 3,314,683, 4–18–67, Cl. 277—188.
Schmidt, Dale A., to Western Publishing Co., Inc. Book easel. 3,338,544, 8–29–67, Cl. 248—452.
Schmidt, Edward W., to Link-Belt Co. Floor truck for tow line system. 3,345,953, 10–10–67, Cl. 104—170.
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Schmidt, Erich A., ½ to Universal Button Co. Division of Talon, Inc. Hook and eye attaching apparatus. 3,326,414, 6–20–67, Cl. 221—262.
Schmidt, Francis J., to General Electric Co. Method and apparatus for measuring electrofinishing stresses. 3,356,597, 12–5–67, Cl. 204— 1.
Schmidt, Francis J., to General Electric Co. Electrodeposition monitor. 3,356,605, 12–5–67, Cl. 204—195.
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Schmidt, Friedrich A. F. Cam controlled regulating device for an injection system operating on the distributor principle. 3,356,099, 12–5–67, Cl. 137—26.
Schmidt, George H., to American Cyanamid Co. Hammer finish from aqueous composition containing non-leafing aluminum particles. 3,300,428, 1–24–68, Cl. 260—29.4.
Schmidt, Georgette I. Tub and shower soap bar. 3,341,457, 9–12–67. Cl. 252—92.
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Schmidt, Gerhard, to Gesellschaft fuer Kernforschung m.b.H. Fuel element for nuclear reactors. 3,308,034, 3–7–67, Cl. 176—78.
Schmidt, Gerhard, to Gesellschaft Fuer Kernforschung m.b.H. Gas cooled nuclear reactor. 3,357,892, 12–12–67, Cl. 176—60.
Schmidt, Gunther : *See*—
Van Schyndel, Andreas, and Schmidt. 3,300,937.
Van Schyndel, Andreas, and Schmidt. 3,300,938.
Schmidt, Gunther, to Boehringer Ingelheim G.m.b.H. 5,6-dihydro - 5 - oxo - 11H-pyrido [2,3-6] [1,5]-benzodiazepine derivatives and process. 3,316,251, 4–25–67, Cl. 260—239.3.
Schmidt, Gunther, to Boehringer Ingelheim G.m.b.H. Novel 5,6 - dihydro - 11H - pyrido[2,3-b][1,4]benzodiazepines. 3,321,473, 5–23–67, Cl. 260—247.5.
Schmidt, Gunther, to Boehringer Ingeheim G.m.b.H. Novel 5,6 - dihydro-11H-pyrido[2,3-β][1,5]benzodiazepines. 3,326,-900, 6–20–67, Cl. 260—239.3.
Schmidt, Hans, to Pines Engineering Co., Inc. Press die assembly for bending machines. 3,303,683, 2–14–67, Cl. 72—154.
Schmidt, Hans, to Pines Engineering Co., Inc. Bending machine. 3,333,450, 8–1–67, Cl. 72—156.
Schmidt, Hans, to Clairtone Sound Corp., Ltd. Visual indicator. 3,352,277, 11–14–67, Cl. 116—114.
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Schmidt, Heinrich, to Hein, Lehmann & Co. Aktiengesellschaft. Wire-looping machine. 3,318,342, 5–9–67, Cl. 140—102.
Schmidt, Heinz, G. Roos, and O. Mauz, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Polyacetals stablized with phenoxypropionitriles. 3,300,-441, 1–24–67, Cl. 260—45.8.
Schmidt, Heinz, O. Mauz, and F. Schulde, to Hercules Inc. Stabilized polyolefins. 3,354,117, 11–21–67, Cl. 260—45.85.
Schmidt, Helmut, to Kienzle Apparate G.m.b.H. Pin carriage input arrangement. 3,317,128, 5–2–67, Cl. 235—60.
Schmidt, Henry, Jr., and J. F. Zievers, to Industrial Filter & Pump Mfg. Co. Apparatus and method for pressure-filtering. 3,310,171, 3–21–67, Cl. 210—81.
Schmidt, Herbert, W. Jahmentz, and A. Schmidt, to Chemische Werke Huls Aktiengesellschaft. Plural shielded atomizing nozzles in thermal cracking of liquid hydrocarbons. 3,303,103, 2–7–67, Cl. 196—116.
Schmidt, Herbert, H. Gladisch, and W. Jahnentz, to Chemische Werke Huls Aktiengesellschaft. Method for the production of a direct current arc plasma beam suitable for cracking reactions. 3,328,276, 6–27–67, Cl. 204—170.
Schmidt, Herbert R., to International Business Machines Corp. Data analyzing circuit employing integrator having first and second discharge paths with respectively first and second discharge rates. 3,348,065, 10–17–67, Cl. 307—88.5.
Schmidt, Horst, W. Schomburg, H.-J. Kempien, and K.-H. Herrmann, to Siemens & Halske Berlin and Munich, Aktiengesellschaft. Arrangement for exchanging pole piece systems in corpuscular radiation apparatus. 3,316,402, 4–25–67, Cl. 250—49.5.
Schmidt, Jack F. : *See*—
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Schmidt, Joseph : *See*—
Baer, Karl, Decker, Schmidt, Sperber, and Leibner. 3,324,-165.
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Schmidt, Karl, F. Hansch, and H.-M. Rombrecht, to Dr. Beck & Co. G.m.b.H. Plural ester imide resins on an electrical conductor. 3,306,771, 2–28–67, Cl. 117—218.
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Diez, Adolf, and Heim. 3,335,805.
Essers, Ulf, Heyer, Rockschies, and Adolph. 3,324,724.
Heim, Josef. 3,319,703.
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Schmidt, Karl H. : *See*—
Gottschalk, Heinrich G. 3,356,954.
Schmidt, Karl-Heinz, and W. Fickler, to VEB Carl Zeiss Jena. Sample changing devices for electron microscopes and electron diffraction apparatus. 3,342,992, 9–19–67, Cl. 250—49.5.
Schmidt, Karl H. W. Dough divider. 3,302,591, 2–7–67, Cl. 107—15.
Schmidt, Karl R. : *See*—
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Schmidt, Karl W. : *See*—
Beck, Hans J., Schmidt, and Weigel. 3,320,193.
Schmidt, Kenneth A., to Nalco Chemical Co. Demineralization of polar liquids, especially water. 3,317,424, 5–2–67, Cl. 210—24.
Schmidt, Kenneth A., to Nalco Chemical Co. Process for demineralization of polar liquids, especially water. 3,359,-199, 12–19–67, Cl. 210—24.
Schmidt, Klaus : *See*—
Linder, Johann A. K. A. H., and Schmidt. 3,318,375.
Schmidt, Kurt, to Krewel-Leuffen G.m.b.H. N-(3′-hydroxy alkyl)-3,4,5-trimethoxybenziocic acid alkyl amides. 3,330,-866, 7–11–67, Cl. 260—559.
Schmidt, Lawrence D., to Allied Chemical Corp. Process for producing carbon monoxide. 3,325,253, 6–13–67, Cl. 23—204.
Schmidt, Lewis W. : *See*—
Schmidt, Lewis W. 3,326,319.
Schmidt, Lewis W., 16% to L. K. Schmidt, 16% to A. M. Jongeneel, 10% to G. C. Gordon, 10% to E. F. Blackwelder, 16% to L. W. Schmidt, 16% to C. A. Loucks, 8% to D. P. Newell, 1½% each to P. G., F. H., and R. E. Holt, H. H. Shelton, F. A. and D. A. Guernsey. Automatic steering device for row crop harvesters. 3,326,319, 6–20–67, Cl. 180—79.2.
Schmidt, Lloyd K. : *See*—
Schmidt, Lewis W. 3,326,319.
Schmidt, Lothar, and W. Neugebauer, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for separation of ammonia from gas mixtures. 3,312,525, 4–4–67, Cl. 23—196.
Schmidt, Lukas-Valentin : *See*—
Neary, Ralph E., Schmidt, and Tipping. 3,353,858.
Schmidt, Martin : *See*—
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Schmidt, Matthias. Method of fractionating starch. 3,307,-975, 3–7–67, Cl. 127—71.
Schmidt, Max, to Bellmann & Co. Apparatus for preserving and sealing a serving tray of thermoplastic material containing food products particularly frozen foods. 3,298,158, 1–17–67, Cl. 53—112.

Schmidt, Max. Apparatus for making hollow plastic articles. 3,301,737, 1–31–67, Cl. 156—511.
Schmidt, Max. Hollow decorative plastic articles. 3,312,581, 4–4–67, Cl. 161—6.
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Martin, Henry, Schmidt, and Wilhelm. 3,340,145.
Schenker, Karl, Daeniker, Schmidt, and Wilhelm. 3,328,-424.
Schmidt, Paul, A. Rossi, K. Eichenberger, and M. Wilhelm, to Ciba Corp. 2-amino-5-diloweralkyl sulfamoyl-N,N-disubstituted benzamides. 3,318,882, 5–9–67, Cl. 260—247.1
Schmidt, Paul. Process and apparatus for placing materials in a state of plasma. 3,346,458, 10–10–67, Cl. 176—1.
Schmidt, Paul, M. Wilhelm, K. Eichenberg, and E. Sury, to Ciba Corp. 5-nitrothiazolyl-dioxo-diazacycloalkanes. 3,297,-699. 1–10–67, Cl. 260—256.5.
Schmidt, Paul, M. Wilhelm, and K. Eichenberger, to Ciba Corp. Anti-parasitic 5-nitrothiazolyl oxo-diazacycloalkane compositions. 3,298,914, 1–17–67, Cl. 167—53.
Schmidt, Paul, M. Wilhelm, and K. Eichenberger, to Ciba Corp. 5-nitrothiazolyl oxo-diazacycloalkanes. 3,299,069, 1–17–67, Cl. 260—256.5.
Schmidt, Paul, K. Eichenberger, and M. Wilhelm, to Ciba Corp. Pyrazole-carboxylic acid-hydrazides. 3,304,303. 2–14–67, Cl. 260—247.1.
Schmidt, Paul, M. Wilhelm, and K. Eichenberger, to Ciba Corp. Nitrothiazolyl amidines. 3,318,904, 5–9–67, Cl. 260—306.8.
Schmidt, Paul, K. Eichenberger, A. Rossi, and M. Wilhelm, to Ciba Corp. Derivatives of 5-lower alkyl-sulfonyl anthranilic acid lower alkyl esters. 3,332,982, 7–25–67, Cl. 260—470.
Schmidt, Paul, K. Eichenberger, M. Wilhelm, and A. Rossi, to Ciba Corp. 2-amino-5-sulfamyl-benzoic acid hydrazides. 3,346,568, 10–10–67, Cl. 260—239.8.
Schmidt, Paul, M. Wilhelm, K. Eichenberger, and E. Schumacher, to CIBA Corp. Pyridines and poultry feedstuffs and additives thereof containing pyridines. 3,352,683, 11–14–67, Cl. 99—2.
Schmidt, Paul F.: *See*—
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Schmidt, Paul F., and H. F. John, to Westinghouse Electric Corp. Simultaneous double diffusion process. 3,303,070, 2–7–67, Cl. 148—187.
Schmidt, Paul F., to Westinghouse Electric Corp. Method of making oxide film patterns. 3,345,274, 10–3–67, Cl. 204—15.
Schmidt, Paul F., and G. D. Rose, to Westinghouse Electric Corp. Electrolyte and diffusion process. 3,345,275, 10–3–67, Cl. 204—15.
Schmidt, Richard: *See*—
Schmidt, Richard, Jansch, and Rall. 3,298,203.
Schmidt, Richard, to Franz Morat G.m.b.H. Dust removing arrangement for circular knitting machines. 3,295,338, 1–3–67, Cl. 66—168.
Schmidt, Richard, to Franz Morat Firma, G.m.b.H. Electromagnetic selection of beard pressers. 3,323,331, 6–6–67, Cl. 66—102.
Schmidt, Richard, to Franz Morat G.m.b.H. Electrical control in circular knitting machines. 3,339,381, 9–5–67, Cl. 66—50.
Schmidt, Richard, W. Jansch, and R. Rall, to Franz Morat G.m.b.H. Thread feeding arrangement for knitting machines. 3,298,203, 1–17–67, Cl. 66—131.
Schmidt, Richard, and H. J. Stock, to Franz Morat, G.m.b.H. Knitting machine with synchronized pattern control. 3,313,128, 4–11–67, Cl. 66—50.
Schmidt, Richard, and H. J. Stock, to Franz Morat G.m.b.H. Continuously driven thread transporting means. 3,324,685, 6–13–67, Cl. 66—132.
Schmidt, Richard, and H. J. Stock, to Franz Morat G.m.b.H. Intermittently driven thread transporting apparatus. 3,327,-499, 6–27–67, Cl. 66—132.
Schmidt, Robert F.: *See*—
Link, Charles T., Jr., Schmidt, and Gooden. Re. 26,155.
Schmidt, Robert F., H. A. Leidecker, and D. G. Kirk, to Elgin Sweeper Co. Self-releasing hopper lock. 3,312,992, 4–11–67, Cl. 15—83.
Schmidt, Robert H. E. Back-pressure-controlled-motor-powered pump. 3,335,962, 8–15–67, Cl. 239—332.
Schmidt, Robert J.: *See*—
Ferm, Richard L., and Schmidt. 3,344,721.
Schmidt, Ronald G., and S. Nissim, to Honeywell Inc. High voltage power supply for photographic flash apparatus. 3,310,723. 3–21–67, Cl. 320—1.
Schmidt, Roy F. Hand tool for driving corrugated fasteners. 3,323,568, 6–6–67, Cl. 145—46.
Schmidt, Rudolph. Method of assembling threaded fastener and lock washer units. 3,304,562, 2–21–67, Cl. 10—86.
Schmidt, Siegfried, to North American Philips Co., Inc. Pressure wave actuating means for type hammers in high speed printers. 3,311,050, 3–28–67, Cl. 101—1.
Schmidt, Siegfried. Method of assembly of building elements for the making of ridged structures. 3,331,181, 7–18–67, Cl. 52—747.
Schmidt, Seigfried, to North American Philips Co., Inc. Circuit arrangement for the triggered discharge of a capacitor. 3,355,626, 11–28–67, Cl. 315—241.
Schmidt, Stanley A.: *See*—
Davidson, Ralph L., and Schmidt. 3,322,363.
Schmidt, Steven J.: *See*—
Garis, James D., Schmidt, and Fangman. 3,317,878.
Schmidt, Theodor, to Indugas, Gesellschaft fur Industrielle Gasverwertung m.b.H. Method of and an apparatus for the heat treating of metal type. 3,328,988, 7–4–67, Cl. 72—128.
Schmidt, Trueman L., to Olympia Brewing Co. Insulated reclosable beer carton. 3,346,167, 10–10–67, Cl. 229—20.
Schmidt, Volker: *See*—
Hackenberg, Walter, and Schmidt. 3,315,247.
Schmidt, Waldemar M., to General Binding Corp. Sheet feeding device with corner separators. 3,310,303, 3–21–67, Cl. 271—21.
Schmidt, Walter, to Loewe Opta G.m.b.H. Flash unit for photographic purposes with mounting bracket. 3,338,146, 8–29–67, Cl. 95—11.
Schmidt, Walter, and H. Pockelwaldt, to Loewe Opta G.m.b.H. Mounting bracket for photographic flashguns, more particularly electronic flashguns. 3,335,650, 8–15–67, Cl. 95—11.
Schmidt, Warren J.: *See*—
Gambale, John C., and Schmidt. 3,343,084.
Schmidt, Warren J., to American Machine & Foundry Co. Automatic positioning apparatus utilizing magnetic recording means. 3,350,699, 10–31–67, Cl. 340—174.1.
Schmidt, Warren J., and J. C. Gambale, to Westinghouse Electric Corp. Voltage comparator circuits. 3,331,989, 7–18–67, Cl. 317—27.
Schmidt, Werner: *See*—
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Wommelsdorf, Fritz, and Schmidt. 3,351,174.
Wommelsdorf, Fritz, and Schmidt. 3,357,623.
Wulf, Horst-Dieter, and Schmidt. 3,341,615.
Schmidt, Wilhelm F., K. W. Hass, and H. G. Epler, to Dynamit Nobel Aktiengesellschaft. Process for the manufacture of chlorine and process for conversion of nitrosyl chloride. 3,318,665, 5–9–67, Cl. 23—219.
Schmidt, Willi J., to Kalle Aktiengesellschaft. Friction device for winding machines. 3,323,747, 6–6–67, Cl. 242—75.4.
Schmidt, William: *See*—
Cantor, Abraham, Schmidt, and Winicov. 3,355,392.
Schmidt, William. Trailer apparatus. 3,339,321, 9–5–67, Cl. 52—66.
Schmidtke, Joachim G. Sheet delivery unit. 3,328,027, 6–27–67, Cl. 271—68.
Schmidtlein, John A., to United States of America, Army. Gaseous discharge lamp with internally cooled electrodes. 3,311,769, 3–28–67, Cl. 313—32.
Schmidt-Nickels, Wilhelm: *See*—
Chiddix, Max E., Randall, and Schmidt-Nickels. 3,301,-846.
Schmidts, Kurt: *See*—
Rettig, August, Schmidts, and Daur. 3,321,563.
Schmidt-Salzmann, Walther. Yarn lubricating device. 3,347,-206, 10–17–67, Cl. 118—8.
Schmidt'sche Heissdampf-Gesellschaft m.b.H.: *See*—
Vollhardt, Fromut. 3,306,351.
Vollhardt, Fromut. 3,348,610.
Schmidt-Theuner, Peter: *See*—
Baumann, Hans, and Schmidt-Theuner. 3,327,933.
Baumann, Hans, and Schmidt-Theuner. 3,342,406.
Schmied, August, and W. Jan, to Elin-Union Aktiengesellschaft fur Elektrische. Regulating transformer. 3,344,380, 9–26–67, Cl. 336—58.
Schmiedel, James P., and R. C. Rothweiler, to Square D Co. Emergency break-glass pushbutton. 3,297,853, 1–10–67, Cl. 200—168.
Schmieder, Theodor, to Eisenwerk Weserhutte A.G. Supporting structure for movable belt conveyors. 3,348,663, 10–24–67, Cl. 198—192.
Schmier, Alfred: *See*—
Ryhiner, Guenther, and Schmier. 3,345,215.
Schmit, Frank L.: *See*—
Thayer, Paul M., Schmit, and Trainor. 3,353,677.
Schmit, Roger A., to Teletype Corp. Code transmitter-distributor with mechanical means for varying duration of stop pulse. 3,351,711, 11–7–67, Cl. 178—53.1.
Schmitt, Alfred, to J. Engelsmann AG. Mixing device. 3,315,945, 4–25–67, Cl. 259—72.
Schmitt, Arnold J.: *See*—
Rempel, Cornelius, and Schmitt. 3,359,940.
Schmitt, David L., to Shell Oil Co. Inventory control system. 3,312,812, 4–4–67, Cl. 235—151.34.
Schmitt, David L., and P. L. Datt, to Shell Oil Co. Detecting an expendable oil pipe line plug. 3,302,446, 2–7–67, Cl. 73—3.
Schmitt, Edward E., and R. A. Polistina, to American Cyanamid Co. Surgical sutures. 3,297,033, 1–10–67, Cl. 128—335.5.
Schmitt, Eugen, and E. Lieser, to Eastman Kodak Co. Carrying case, particularly for photographic cameras. 3,295,576. 1–3–67, Cl. 150—52.
Schmitt, Friedrich H. M., to FKF-Werke Friedrich Schmitt & Cie. Apparatus for packing merchandise in the form of pieces. 3,339,604, 9–5–67, Cl. 146—106.
Schmitt, George J.: *See*—
Bostian, Logan C., Lund, Oxenrider, and Schmitt. 3,340,-229.
Litt, Morton H., and Schmitt. 3,324,187.
Litt, Morton H., and Schmitt. 3,358,002.
Schmitt, George J., J. Pisanchyn, and W. F. Chapman, to Allied Chemical Corp. Chlorine initiated liquid phase oxida-

tion of alicyclic hydrocarbous. 3,334,141, 8–1–67, Cl. 260—586.

Schmitt, Hans, to Telefonbau und Normalzeit G.m.b.H. Envelope closing devices. 3,353,513, 11–21–67, Cl. 118—32.

Schmitt, Heinz E., to Lockheed Aircraft Corp. Flight control means for aircraft. 3,313,500, 4–11–67, Cl. 244—53.

Schmitt, Helmut, to P. Gossen & Co., G.m.b.H. Electronically controlled aperture and shutter arrangements for use with camera. 3,348,460, 10–24–67, Cl. 95—10.

Schmitt, James L., to Caterpillar Tractor Co. Filter element indicator. 3,358,836, 12–19–67, Cl. 210—90.

Schmitt, Josef, to Etablissements Clin-Byla (Société Anonyme). Process for the production of derivatives of phenothiazine and new derivatives. 3,330,826, 7–11–67, Cl. 260—243.

Schmitt, Josef, to Etablissements Clin-Byla. 5-(2-oxo-2,5-dihydro-4-furyl)-benzo(b)-furans and intermediates therefor. 3,355,463, 11–28–67, Cl. 260—343.6.

Schmitt, Josef, and M. D. P. Brunaud, to Etablissements Clin-Byla. Coumarin derivatives and their preparation. 3,325,515, 6–13–67, Cl. 260—343.2.

Schmitt, Joseph M., L. A. Landers, and J. F. Terenzi, to American Cyanamid Co. Blends of methyl methacrylate resinous copolymers and grafted elastomers. 3,354,238, 11–21–67, Cl. 260—876.

Schmitt, Karl, J. Disteldorf, and J. Reiffer, to Scholven-Chemie Aktiengesellschaft. Production of trimethyl adipic dinitrile. 3,297,736, 1–10–67, Cl. 260—465.2.

Schmitt, Karl, J. Disteldorf, and J. Reiffer, to Scholven-Chemie Aktiengesellschaft. Process for the production of trimethyl adipic acid dinitrile. 3,297,740, 1–10–67, Cl. 260—465.2.

Schmitt, Karl, J. Disteldorf, and J. Reiffer, to Scholven-Chemie Aktiengesellschaft. Process for the purification of trimethyl adipic acid dinitrile. 3,297,741, 1–10–67, Cl. 260—465.2.

Schmitt, Karl, J. Disteldorf, and W. Baron, deceased, (by G. Baron, nee Mayer, legal representative), to Hibernia-Chemie G.m.b.H. Process for recovering isophorone. 3,337,423, 8–22–67, Cl. 203—37.

Schmitt, Karl, J. Disteldorf, and W. Baron, deceased, (by G. Baron, nee Mayer, legal representative), to Hibernia-Chemie G.m.b.H. Process for recovering isophorone in high purity. 3,337,632, 8–22–67, Cl. 260—586.

Schmitt, Karl, J. Disteldorf, and W. Baron, deceased, (by G. Baron, nee Mayer, legal representative), to Hibernia-Chemie G.m.b.H. Production of isophorone. 3,337,633, 8–22–67, Cl. 260—586.

Schmitt, Karl, and F. Gude, to Scholven-Chemie Aktiengesellschaft. Polyurethanes from 1-isocyanato - 3 - isocyanatomethyl-3,5,5-tri-alkylcyclohexane. 3,352,830, 11–14–67, Cl. 260—77.5.

Schmitt, Karl, J. Disteldorf, and G. Keller, to Scholven-Chemie Aktiengesellschaft. Polyamides from 3-amino-methyl-3,5,5-trialkyl-1-cyclohexylamine. 3,352,831, 11–14–67, Cl. 260—78.

Schmitt, Karl, and J. Disteldorf, to Scholven-Chemie Aktiengesellschaft. Condensation products of 3-aminomethyl-3,5,5-trialkyl-1-cyclohexylamine and aliphatic dicarboxylic acid and cyclic carboxylic acid. 3,352,834, 11–14–67, Cl. 260—78.

Schmitt, Karl, and F. Gude, to Scholven-Chemie Aktiengesellschaft. Polyamides from 3-aminomethyl-3,5,5-trimethyl-1-cyclohexylamine and a second diamine and preparation thereof. 3,352,835, 11–14–67, Cl. 260—78.

Schmitt, Karl, and F. Gude, to Scholven-Chemie Aktiengesellschaft. Polyamides from 3-aminomethyl-3,5,5-trialkyl-1-cyclohexylamine. 3,352,836, 11–14–67, Cl. 260—78.

Schmitt, Karl, J. Disteldorf, and W. Hubel, to Scholven-Chemie Aktiengesellschaft. 3-aminomethyl-3,5,5-trialkyl-1-cyclohexylamine and cyclohexanol compounds. 3,352,913, 11–14–67, Cl. 260—563.

Schmitt, Karl, and F. Gude, to Scholven-Chemie Aktiengesellschaft. Polyamides from 3-amino methyl-3,5,5-trimethyl-cyclo-hexylamine and an amino acid. 3,352,942, 11–14–67, Cl. 260—857.

Schmitt, Paul, and G. Dittgen, to Mannesmann-Meer Aktiengesellschaft. Roll-straightening machine. 3,345,847, 10–10–67, Cl. 72—224.

Schmitt, Richard G., and R. K. Brehm, to Jarrell-Ash Co. Double beam vacuum ultra-violet spectrophotometer using a toroidal mirror oscillating about the center of curvature. 3,349,241, 10–24–67, Cl. 250—43.5.

Schmitt, William C., to Milwaukee Faucets, Inc. Water mixing device for water closet storage tanks. 3,316,932, 5–2–67, Cl. 137—512.

Schmitz, Adolf, to Th. Goldschmidt A.G. Bubble bath preparation. 3,328,307, 6–27–67, Cl. 252—106.

Schmitz, Albert A. Fluid power converter. 3,312,175, 4–4–67, Cl. 103—121.

Schmitz, Anton: *See*—
Heyl, Gerhard, Luttgens, and Schmitz. 3,327,685.
Heyl, Gerhard, Luttgens, and Schmitz. 3,332,395.

Schmitz, Francis J. Load heaters. 3,315,659, 4–25–67, Cl. 126—343.5.

Schmitz, Franz J.: *See*—
Macura, Karl, Schmitz, and Siggel. 3,297,467.
Macura, Karl, Schmitz, and Siggel. 3,297,468.

Schmitz, Fred W., and J. B. Tindall, to Commercial Solvents Corp. Process for the production of tris(hydroxymethyl) aminomethane crystals. 3,338,970, 8–29–67, Cl. 260—584.

Schmitz, Heinz, to F. Thegarten. Automatic wrapping machine. 3,325,071, 6–13–67, Cl. 226—11.

Schmitz, Heinz-Hermann. Fastening device. 3,318,595, 5–9–67, Cl. 269—289.

Schmitz, Henry: *See*—
Price, Kenneth E., and Schmitz. 3,345,261.

Schmitz, Henry, to Bristol-Myers Co. Antibiotic streptogan and process for preparation. 3,334,015, 8–1–67, Cl. 167—65.

Schmitz, Henry, to Bristol-Myers Co. Hedamycin and process for its production. 3,334,016, 8–1–67, Cl. 167—65.

Schmitz, Jacques. Apparatus for washing textile materials such as unfinished wools, etc. 3,332,258, 7–25–67, Cl. 68—9.

Schmitz, James E.: *See*—
Schmitz, Vincent O., and Schmitz. 3,351,139.

Schmitz, Lawrence S.: *See*—
Thompson, Francis T., and Schmitz. 3,335,228.

Schmitz, Mattheus J., to North American Philips Co. Inc. Marking circuit arrangement having means for suppressing marking potential. 3,343,129, 9–19–67, Cl. 340—166.

Schmitz, Mattheus J., and A. F. van der Gaag, to North American Philips Co., Inc. Plural channel switching network with check of marking of channel link. 3,311,883, 3–28–67, Cl. 340—166.

Schmitz, Norbert L., to Louis Allis Co. Static inverter circuit. 3,340,457, 9–5–67, Cl. 321—45.

Schmitz, Robert, to Honeywell Inc. Controlling apparatus. 3,350,053, 10–31–67, Cl. 251—5.

Schmitz, Vincent O. and J. E. Plow colter. 3,351,139, 11–7–67, Cl. 172—602.

Schmitz-Josten, Robert: *See*—
Frank, Gunter, Kubens, Schmitz-Josten, Wegler, and Dortmann. 3,316,277.
Frank, Gunter, Wegler, Schmitz-Josten, and Kubens. 3,336,342.

Schmitz-Josten, Robert, R. Kubens, G. Frank, and R. Wegler, to Farbenfabriken Bayer Aktiengesellschaft. Process for curing polyepoxides. 3,296,202, 1–3–67, Cl. 260—47.

Schmitz-Josten, Robert, G. Frank, R. Wegler, and K. Andres, to Farbenfabriken Bayer Aktiengesellschaft. Epoxy resins prepared by the reaction of epihalohydrin with a resin formed by reacting a phenol with a long chain halogenated hydrocarbon containing at least 2 halogen atoms. 3,342,-895, 9–19–67, Cl. 260—830.

Schmoeger, Ralph F., to Westinghouse Air Brake Co. Cushioned cylinder arrangement having a combined check valve and needle valve. 3,303,746, 2–14–67, Cl. 91—26.

Schmolka, Irving R.: *See*—
Kaneko, Thomas M., and Schmolka. 3,359,207.

Schmolka, Irving R., to Wyandotte Chemicals Corp. Forming detergent compositions. 3,337,463, 8–22–67, Cl. 252—89.

Schmolka, Irving R., and M. H. Earing, to Wyandotte Chemicals Corp. Low foaming detergent. 3,314,891, 4–18–67, Cl. 252—89.

Schmoyer, Arthur R. Visual chord teaching device. 3,335,630, 8–15–67, Cl. 84—478.

Schmoyer Arthur R., 50% to D. S. Wenger. Apparatus for teaching the operation of a keyboard-controlled machine or instrument. 3,353,435, 11–21–67, Cl. 84—478.

Schmuck, Fredric E.: *See*—
Schoepe, Adolf, and Schmuck. 3,319,913.

Schmukler, Seymour: *See*—
Schaaf, Kurt H., Schmukler, and Klein. 3,334,118.

Schmukler, Seymour, to General Electric Co. Reaction product of a diphenol and an allylhaloformate. 3,328,455, 6–27–67, Cl. 260—463.

Schmunk, John D. Pipe coupling. 3,334,928, 8–8–67, Cl. 285—110.

Schmutz, Jean, and F. Hunziker, to Dr. A. Wander, S.A. 10-(basic substituted)-dibenzodiazepines. 3,312,689, 4–4–67, Cl. 260—239.

Schmutz, Jean, and F. Hunziker, to Dr. A. Wander, S.A. 10-(Basic substituted)-dibenz[b,f][1,4]oxazepinones. 3,337,-536, 8–22–67, Cl. 260—239.3.

Schmutz, Jean, and F. Hunziker, to Dr. A. Wander, S.A. 5-(basic substituted)-dibenzodiazepines. 3,347,849, 10–17–67, Cl. 260—239.

Schmutz, Karl: *See*—
Aemmer, Peter, and Schmutz. 3,354,402.

Schmutzler, Reinhard, to E. I. du Pont de Nemours and Co. Nitrogen-containing fluorophosphoranes. 3,300,503, 1–24–67, Cl. 260—293.

Schnabel, Fred C. Cake container and server. 3,330,610, 7–11–67, Cl. 312—284.

Schnabel, Fred C. Combination dual container and suspension means therefor. 3,333,686, 8–1–67, Cl. 206—47.

Schnabel, Harold R. Spark plug having a thermal primer ring. 3,324,330, 6–6–67, Cl. 313—143.

Schnabel, Harry V., Jr. Water sealed pumping system. 3,342,-135, 9–19–67, Cl. 103—5.

Schnabel, Herbert W.: *See*—
Sickle, Vernon C., and Schnabel. 3,341,984.

Schnabel, Herbert W., to Armour and Co. Flexible, coated abrasive product. 3,331,667, 7–18–67, Cl. 51—298.

Schnacke, Walter H. Saw tooth reconditioner and sharpener. 3,331,264, 7–18–67, Cl. 76—89.2.

Schnakenberg, Robert H.: *See*—
Hoffman, Robert C., and Schnakenberg. 3,326,460.

Schnase, Adolph R., to Davidson Optronics, Inc. Camera-to-tripod connector. 3,356,325, 12–5–67, Cl. 248—187.

Schneberger, Edward J.: *See*—
Koerner, Ralph J., and Schneberger. 3,300,766.

Schneberger, Edward J., to The Bunker-Ramo Corp. Data processing apparatus including means for correcting codes arranged in a packed format. 3,324,288, 6–6–67, Cl. 235—154.
Schneble, Frederick W., Jr., R. J. Zeblisky, J. F. McCormack, and J. D. Williamson, to Day Co., N.V. Electroless copper plating. 3,310,430, 3–21–67, Cl. 117—130.
Schneble, Frederick W., Jr., J. Polichette, and E. J. Leech. Multilayer printed circuit assemblies. 3,322,881, 5–30–67, Cl. 174—68.5.
Schneble, Frederick W., Jr., J. Polichette, and E. J. Leech, to Photocircuits Corp. Metallizing flexible substrata. 3,347,-724, 10–17–67, Cl. 156—151.
Schneck, Martin, to The Thomas & Betts Co. Electrical connector with terminal elements of generally T-shaped cross section. 3,351,891, 11–7–67, Cl. 339—176.
Schneck, Remsen T. E., to Keystone Chemurgic Corp. Antacid composition containing hydrated magnesium aluminate. 3,323,993, 6–6–67, Cl. 167—55.
Schnedler, Paul E., to Armco Steel Corp. Method and apparatus for controlling the alloying of zinc coatings. 3,307,-968 3–7–67. Cl. 117—114.
Schneebeli, Jean P.: *See*—
Geiger, Joseph A., and Schneebeli. 3,299,845.
Schneekluth, Herbert, and F. Ahrens, to Paul Lindenau Schiffswerft und Maschinenfabrik. Bow bulb for ships. 3,306,244, 2–28–67, Cl. 114—56.
Schneeman, Justin G. Fixture for radiographic examination of small object having means for simultaneously rotating said object. 3,296,436, 1–3–67, Cl. 250—51.
Schnegg, Robert, R. Dippelhofer, H. Pelousek, H. Nordt, and H.-A. Dortmann, to Farbenfabriken Bayer Aktiengesellschaft. Copolyether esters and a process for their preparation. 3,337,500. 8–22–67, Cl. 260—47.
Schneid, Alfred F.: *See*—
Pizzarello, Roy A., and Schneid. 3,335,131.
Pizzarello, Roy A., Schneid, and De Lucia. 3,297,677.
Schneider, Abraham, to Sun Oil Co. Preparation of perhydropyrenes. 3,303,227, 2–7–67, Cl. 260—666.
Schneider, Abraham, to Sun Oil Co. Process for converting 1,2,3,4-tetrahydronaphthalene to octahydroanthracene and octahydrophenanthrene. 3,320,332, 5–16–67, Cl. 260—668.
Schneider, Abraham, to Sun Oil Co. Preparation of dimethyldecalins. 3,346,656, 10–10–67, Cl. 260—666.
Schneider, Abraham, to Sun Oil Co. Conversion of non-bridgehead hydroxyadamantane compounds. 3,356,739, 12–5–67, Cl. 260—617.
Schneider, Abraham, to Sun Oil Co. Preparation of hydroxyalkyladamantanes. 3,356,740, 12–5–67, Cl. 260—617.
Schneider, Abraham, to Sun Oil Co. Preparation of dihydroxyalkyladamantanes. 3,356,741, 12–5–67, Cl. 260—617.
Schneider, Abraham, to Sun Oil Co. Preparation of methyladamantane and dimethyladamantanes. 3,356,751, 12–5–67, Cl. 260—666.
Schneider, Abraham, E. J. Janoski, and R. W. McGinnis, to Sun Oil Co. Preparation of alkyladamantanes having an ethyl substituent. 3,336,405, 8–15–67, Cl. 260—666.
Schneider, Abraham, E. J. Janoski, and R. W. McGinnis, to Sun Oil Co. Preparation of polymethyladamantanes. 3,336,-406, 8–15–67, Cl. 260—666.
Schneider, Abraham, and R. E. Moore, to Sun Oil Co. Preparation of dicarboxyadamantane compounds. 3,356,719, 12–5–67, Cl. 260—514.
Schnieder, Alfred, to Holley Carburetor Co. Electronic advance for engine ignition systems. 3,314,407, 4–18–67, Cl. 123—148.
Schneider, Burnett M., to Allis-Chalmers Mfg. Co. Method of making silver catalyzed fuel cell electrode. 3,352,719, 11–14–67, Cl. 136—120.
Schneider, Charles, and D. Caporossi, to La Telemecanique Electrique. Isolating switches equipped with cartridge fuses. 3,325,615, 6–13–67, Cl. 200—114.
Schneider, Charles F., to Armstrong Cork Co. Chip forming apparatus. 3,350,971, 11–7–67, Cl. 83—354.
Schneider, Clayton J., Jr., to Cornell Aeronautical Laboratory, Inc. Explosive projector. 3,344,742, 10–3–67, Cl. 102—7.2.
Schneider, Emmor V., and A. F. Deming, to Consolidated Electronics Industries Corp. Combination switch control for servo-circuit systems. 3,297,923, 1–10–67, Cl. 318—18.
Schneider, Emmor V., and A. F. Deming, to Consolidated Electronics Industries Corp. Phase sensitive circuit with selectively energizable loads. 3,327,187, 6–20–67, Cl. 318—29.
Schneider, Frank L. Road salt composition. 3,350,315, 10–31–67, Cl. 252—70.
Schneider, Franz: *See*—
Adam, Hans, and Schneider. 3,332,378.
Dangelmaier, Karl, Griesinger, Kurz, Schneider, and Scholl. 3,353,822.
Schneider, Fred, M. J. Mansfield, and J. W. Seaborn, to United Merchants and Mfg., Inc. Apparatus for forming stiffened and folded marginal edges in flexible fibrous panels. 3,338,-773, 8–29–67, Cl. 156—444.
Schneider, Frederick H., and C. D. Birkhead, to Mobil Oil Corp. Purifying diolefins by selective hydrogenation and distillation. 3,328,479, 6–27–67, Cl. 260—681.5.
Schneider, Fredric H. Leveling rod device. 3,357,106, 12–12–67, Cl. 33—74.
Schneider, Fritz: *See*—
Grotsch, Georg, and Schneider. 3,323,705.

Schneider, Fritz W.: *See*—
Koslowski, Karl, and Schneider. 3,338,418.
Schneider, Fritz W., and I. Stohlmeier, to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Feeding device for centrifuges. 3,302,793, 2–7–67, Cl. 210—210.
Schneider, George T.: *See*—
Hart, Oliver M., and Schneider. 3,325,765.
Schneider, Gerald W.: *See*—
Boragina, Vincent, Schneider, and Stramaglia. 3,322,014.
Schneider, Hans, to Sulzer Bros., Ltd. Process for production of lost models in precision casting operations. 3,313,-637, 4–11–67, Cl. 106—38.5.
Schneider, Hans, to Sulzer Bros. Ltd. Method of producing a casting mold. 3,326,269, 6–20–67, Cl. 164—43.
Schneider, Hans, to Sulzer Bros. Ltd. Method of making a casting mold. 3,349,830, 10–31–67, Cl. 164—43.
Schneider, Hans-Dieter, to Fernseh G.m.b.H. Circuit for providing coincidence of colour television pick-up tube rasters. 3,305,750, 2–21–67, Cl. 315—27.
Schneider, Hans-Dieter, to Fernseh GmbH. Inverter unit with automatic output interrupter upon associated equipment failure. 3,335,316, 8–8–67, Cl. 315—20.
Schneider, Harold R., to General Motors Corp. Crankcase ventilation system. 3,313,281, 4–11–67, Cl. 123—119.
Schneider, Harry, to Pottsville Bleaching and Dyeing Co. Method and apparatus for setting the color of dyed tubular fabrics. 3,318,114, 5–9–67, Cl. 68—5.
Schneider, Helmuth G., and T. F. O'Connor, to Esso Research and Engineering Co. Separation of BF_3 catalyst from alkyl phenol. 3,359,333, 12–19–67, Cl. 260—624.
Schneider, Herbert: *See*—
Hirschfeld, Günter, and Schneider. 3,330,173.
Hirschfeld, Gunter, and Schneider. 3,358,535.
Schneider, Herbert A., to Bell Telephone Laboratories, Inc. Multiple conversion transceiver utilizing single oscillator. 3,324,396, 6–6–67, Cl. 325—20.
Schneider, Hertha. Cigarette-holding device. 3,295,669, 1–3–67, Cl. 206—19.5.
Schneider, Horst: *See*—
Renner, Gerda, Schneider, and Schwarzkopf. 3,313,470.
Schneider, Ingeborg: *See*—
Schneider, Willy. 3,315,813.
Schneider, Willy. 3,318,459.
Schneider, Willy. 3,330,418.
Schneider, Irving N., to Engelhard Hanovia, Inc. Dry cleaning machine. 3,323,335, 6–6–67, Cl. 68—18.
Schneider, Jean-Claude: *See*—
Jeanmonod, Maurice, Dubois, and Schneider. 3,355,875.
Jeanmonod, Maurice, and Schneider. 3,318,088.
Schneider, Jean-Claude, to Fabrique d'Horlogerie Chs. Tissot et Fils S.A. Shock-absorbing bearing for timepiece. 3,306,-027, 2–28–67, Cl. 58—140.
Schneider, Jean-Claude, to Fabrique d'Horlogerie Chs Tissot et Fils S.A. Watch movement with ringing mechanism. 3,316,707, 5–2–67, Cl. 58—21.12.
Schneider, Jean-Claude, to Fabrique d'Horlogerie Chs Tissot et Fils S.A. Watch movement with ringing mechanism. 3,316,710, 5–2–67, Cl. 58—57.5.
Schneider, Jean-Claude, to Fabrique d'Horlogerie Chs. Tissot et Fils S.A. Pivoting device of a watch movement train element. 3,324,646, 6–13–67, Cl. 58—140.
Schneider, Jean-Claude, to Fabrique d'Horlogerie Chs. Tissot et Fils S.A. Device for securing one end of a watch regulating balance-spring to a connecting member. 3,328,955, 7–4–67, Cl. 58—115.
Schneider, Jean-Claude, to Fabrique d'Horlogerie Chs. Tissot et Fils S.A. Anchor escapement for timepieces. 3,335,562, 8–15–67, Cl. 58—122.
Schneider, Jean-Claude, to Fabrique d'Horlogerie Chs. Tissot et Fils S.A. Ringing watch piece. 3,352,102, 11–14–67, Cl. 58—53.
Schneider, Johann: *See*—
Pleuger, Friedrich W., and Schneider. 3,298,349.
Schneider, John R., to Westinghouse Electric Corp. Workpiece tension and shape control method and apparatus. 3,315,506, 4–25–67, Cl. 72—9.
Schneider, John R. Automatic device for controlling feed of aids to filtration. 3,349,913, 10–31–67, Cl. 210—85.
Schneider, Jos., & Co.: *See*—
Macher, Karl H. 3,318,653.
Macher, Karl H. 3,320,014.
Macher, Karl H. 3,336,094.
Macher, Karl H. 3,346,320.
Macher, Karl H. 3,350,155.
Solisch, Rudolf. 3,297,394.
Solisch, Rudolf, and Woltche. 3,350,157.
Schneider, Joseph, & Co., Optische Werke: *See*—
Solisch, Rudolf, and Wagner. 3,351,412.
Schneider, Joseph R.: *See*—
Macek, Warren M., and Schneider. 3,356,438.
Schneider, Jost, and D. Floessel, to Brown, Boveri & Cie, Aktiengesellschaft. Compressed gas actuated electrical switch having contacts maintained closed by gas pressure and opening damper means. 3,339,045, 8–29–67, Cl. 200—148.
Schneider, Julius E., to Phillips Petroleum Co. Absorption flow control. 3,333,398, 8–1–67, Cl. 55—18.

Schneider, Julius F., to Engelhard Industries, Inc. Noble metal thermocouple having base metal compensating leads. 3,328,-209, 6–27–67, Cl. 136—227.
Schneider, Jurgen. Heater-ventilator. 3,309,846, 3–21–67, Cl. 55—233.
Schneider, Karl, to Harnischfeger Corp. Spring loaded whip arrester for boom suspension cables. 3,307,721, 3–7–67, Cl. 214—135.
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Schneider, Leopold M., to Ritter Pfaudler Corp. Headrest for dental operating chair. 3,300,249, 1–24–67, Cl. 297—408.
Schneider, Luther K., to Western Electric Co., Inc. Photoelectric device for distrbuting strands on a reel. 3,319,070, 5–9–67, Cl. 250—222.
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Scholz, Heinrich, M. Strohmeyer, and E. Haarer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of carboxylic amides. 3,324,179, 6–6–67, Cl. 260—561.
Scholz, Herbert, and P. Palic, to North American Philips Co., Inc. Sample changer for radio-active samples using endless flexible means for sample transportation. 3,302,025, 1–31–67, Cl. 250—106.
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Scholz, Siegfried, and B. Lersmacher, to North American Philips Co., Inc. Sintered tantalum carbide bodies. 3,320,-038, 5–16–67, Cl. 29—182.7.
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Schönbach, Viktor, J. Weissert, and W. Teige, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Pigment dispersions for coloring viscose spinning masses. 3,337,360, 8–22–67, Cl. 106—308.
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Schonfeld, Arnold, and J. C. Schulte, to Sperry Rand Corp. Control and delay device for liquid fluid circuits. 3,331,380, 7–18–67, Cl. 137—81.5.
Schonfeld, Arnold, and M. Jacoby, to Sperry Rand Corp. Air valve. 3,342,450, 9–19–67, Cl. 251—75.
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Schonholzer, Emil T., to Westinghouse Electric Corp. Apparatus for producing phase-shiftable pulses. 3,348,129, 10–17–67, Cl. 323—22.
Schonhuber, Max-Josef, to Brown, Boveri & Cie, Aktiengesellschaft. Lead-through insulator, particularly for high voltage mercury vapor tubes. 3,300,574, 1–24–67, Cl. 174—142.
Schoniger, Kenneth R., to Trak Microwave Corp. Temperature compensated solid state microwave oscillator. 3,343,103, 9–19–67, Cl. 331—978.
Schoniger, Kenneth R., to Trak Microwave Corp. Broad band solid state oscillator. 3,349,341, 10–24–67, Cl. 331—117.
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Schoonman, Marten L. Apparatus for injecting liquids into trees. 3,295,254, 1–3–67, Cl. 47—57.5.
Schoonman, Richard J. Bacteriostatic drawsheet. 3,308,-488, 3–14–67, Cl. 5—335.
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Schorr, Manfred, G. Lammler, W. Hohorst, and H. Weber, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Carboxylic acid piperazides and process for their manufacture. 3,324,117, 6–6–67, Cl. 260—240.

Schorr, Manfred, and R. Fussganger, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Bis-quaternary salts of triamines and process for preparing them. 3,342,829, 9–19–67, Cl. 260—296.

Schorr, Manfred, R. Fussganger, F. Bauer, and G. Nesemann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Halogenated 8,8,8-triphenylpropyl-amine compounds. 3,344,155, 9–26–67, Cl. 260—389.

Schorre, Gustav, to E. Merck Aktiengesellschaft. Bis-4 formyl-5-hydroxy-6-methyl-pyridyl (3) methyl disulfide. 3,296,271, 1–3–67, Cl. 260—294.8.

Schorre, Gustav, to Merck E. Aktiengesellschaft. Pyridoxolyl-hydrocarbon and substituted hydrocarbon disulfides. 3,324,-140, 6–6–67, Cl. 260—294.8.

Schott, Arthur K.: *See*—
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Schott, Arthur K., to Houdaille Industries Inc. Workpiece positioning mechanism for a machine tool. 3,297,173, 1–10–67, Cl. 214—1.3.

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Schott, Arthur K., to Houdaille Industries, Inc. Workpiece positioning mechanism for a machine tool. 3,350,088, 10–31–67, Cl. 269—60.

Schott, Arthur K., K. J. Bartha, C. L. Rovoldt, to Houdaille Industries, Inc. Punching machine with selective angularly adjustable punch and die set. 3,342,091, 9–19–67, Cl. 83—140.

Schott, Charles M., Jr., to Gloucester Engineering Co., Inc. Winder. 3,298,624, 1–17–67, Cl. 242—64.

Schott, Charles M., Jr., to Gloucester Engineering Co., Inc. Punching device. 3,320,843, 5–23–67, Cl. 83—620.

Schott, Charles M., Jr., to Gloucester Engineering Co., Inc. Machine for altering moving webs. 3,322,604, 5–30–67, Cl. 156—583.

Schott, Claus, and E. Fischer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Copolymers of acetals. 3,296,206, 1–3–67, Cl. 260—67.

Schott, Claus, H. D. Hermann, and E. Fischer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Product and process for the manufacture of linear terpolymers of acetals. 3,297,647, 1–10–67, Cl. 260—73.

Schott, Claus, E. Fischer, G. Roos, and G. Bier, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of copolyacetals. 3,306,-877, 2–28–67, Cl. 260—67.

Schott, Marcel R., to Societe d'Exploitation des Materials Hispano-Suiza. Safety valves. 3,317,182, 5–2–67, Cl. 251—68.

Schott, Marcel R., to Societe d'Exploitation des Materiels Hispano-Suiza. Rotary joints for hydraulic circuits. 3,333,-598, 8–1–67, Cl. 137—312.

Schott, Stuart, and L. J. Memering, to National Distillers and Chemical Corp. Rotational molding. 3,350,745, 11–7–67, Cl. 18—26.

Schottle, Helmut, to Adrema-Werke G.m.b.H. Printing plate. 3,349,700, 10–31–67, Cl. 101—369.

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Schrader, Carlton F., and M. C. Kopchak, to Inland Steel Co. Carbon-stabilized steel products and method of making the same. 3,333,987, 8–1–67, Cl. 148—2.

Schrader, Clarence O., to Eversharp, Inc. Spring seat for sectional cap razors. 3,302,284, 2–7–67, Cl. 30—60.5.

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Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. O,O-dialkyl-O-dichlorovinyl phosphates. 3,299,190, 1–17–67, Cl. 260—957.

Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Thionophosphoric acid esters. 3,322,864, 5–30–67, Cl. 260—954.

Schrader, Gerhard, and I. Hammann, to Farbenfabriken Bayer Aktiengesellschaft. Thiophosphoric (-phosphonic, -phosphinic) or dithiophosphoric (-phosphonic, -phosphinic) acid esters. 3,325,492, 6–13–67, Cl. 260—248.

Schrader, James H., to United States of America, National Aeronautics and Space Administration. Multiple input radio receiver. 3,311,832, 3–28–67, Cl. 325—305.

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Schrader, Kenneth J., to Combustion Engineering, Inc. Alarm system. 3,318,328, 5–9–67, Cl. 137—557.

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Schrader, Terry M., and G. R. Fadner Jr., to Radio Corp. of America. Cathode ray tube with electrode supported by strap-like springs. 3,296,477, 1–3–67, Cl. 313—85.

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Schraeder, Albin E., to Jones & Laughlin Steel Corp. Molten bath temperature measurement. 3,347,099, 10–17–67, Cl. 73—359.

Schraeger, Maurice, to Flavor-Seal Corp. Utensil attachment. 3,323,677, 6–6–67, Cl. 220—094.

Schrage, Albert, and E. J. Pless, to Rexall Drug and Chemical Co. Process for preparing rubbery polymers with a catalyst comprising $Ti(OR)_4$. 3,329,741, 7–4–67, Cl. 260—878.

Schrage, Albert, and K. F. Koch, to Rexall Drug and Chemical Co. Plastic light diffuser and collimator. 3,348,039, 10–17–67, Cl. 240—51.11.

Schrager, Hubert I., to Varian Associates. Electron discharge devices and molybdenum slow wave structures, the molybdenum slow wave structures having grain alignment transverse to the electron path. 3,322,996, 5–30–67, Cl. 315—3.5.

Schraith, Edward F., and H. A. Van Dusen, Jr., to McGraw-Edison Co. Cooling device for fluorescent lamps. 3,330,130, 7–11–67, Cl. 62—259.

Schramel, Franz J., to North American Philips Co., Inc. System for the time-multiplex transmission of telegraph signals. 3,333,051, 7–25–67, Cl. 178—4.

Schramm, Arthur G. Steerable trailer wheel mechanism. 3,354,-982, 11–28–67, Cl. 180—79.2.

Schramm, Buford J., and R. G. Everts, said Everts assignor to said Schramm. Rotor blade. 3,356,153, 12–5–67, Cl. 170—159.

Schramm, Charles H., to J. T. Baker Chemical Co. Polymers prepared from isocyanateoxazolidinones. 3,313,747, 4–11–67, Cl. 260—2.5.

Schramm, Charles H., to J. T. Baker Chemical Co. Method for preparing epoxyoxazolidinones. 3,334,110, 8–1–67, Cl. 260—307.

Schramm, Charles H., and E. J. Friihauf, to J. T. Baker Chemical Co. Oxazolidonyl sulfones and method of making same. 3,305,494, 2–21–67, Cl. 260—2.

Schramm, Charles H., and M. Zief, to J. T. Baker Chemical Co. Resinous condensation product of 2,2-di(4-hydroxyphenyl) propane dialkylcarbamate and formaldehyde. 3,350,355, 10–31–67, Cl. 260—51.

Schramm, Charles H., and M. Zief, to J. T. Baker Chemical Co. 1-chloro-2-chlorocarbonatobutanone-3 and process for polymerization. 3,350,356, 10–31–67, Cl. 260—63.

Schramm, Gerhard, H. Grotsch, and W. Pollmann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing polynucleotides. 3,299,043, 1–17–67, Cl. 260—211.5.

Schramm, Harold J., to International Harvester Co. Four wheel steering system. 3,305,041, 2–21–67, Cl. 180—79.2.

Schramm, Paul, to Nederlandse Organisatie Voor Toegepast-Natuur-Wetenschappelijk Onderzock Ten Behoeve Van de Volksgezondheid. Sewage treatment apparatus. 3,295,682, 1–3–67, Cl. 210—195.

Schramm, Winifred E. Surgical cast with pressure relieving device. 3,323,519, 6–6–67, Cl. 128—91.

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Schrantz, Paul R., to United States of America, Navy. Satellite blade retaining device. 3,327,967, 6–27–67, Cl. 244—1.

Schraub, Willy, to Scharmann & Co. Guiding means for machine tool parts, especially for carriages. 3,311,425, 3–28–67, Cl. 308—3.

Schraudenbach, Paul. Paving block. 3,301,148, 1–31–67, Cl. 94—13.

Schraudenbach, Paul. Paving block. 3,343,468, 9–26–67, Cl. 94—11.

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Bastian, Bruce N., and Schrauzer. 3,329,732.

Schrecongost, Ray B., to Hammond Organ Co. Plural frequency musical instrument oscillator. 3,325,747, 6–13–67, Cl. 331—60.

Schreder, Wolfgang, to International Telephone and Telegraph Corp. Fast-acting current level shifter. 3,297,881, 1–10–67, Cl. 307—88.5.

Schreder, Wolfgang, to International Telephone and Telegraph Corp. Selector for choosing the strongest signal including means for inhibiting all signals below a selected level. 3,328,698, 6–27–67, Cl. 325—304.

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Schreiber, Ann M., to The B. F. Goodrich Co. Cure system for ethylene-vinyl chloride polymers. 3,303,172, 2–7–67, Cl. 260—79.5.

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Schreiber, August. Apparatus for aerating sewage in an aerating tank. 3,336,016, 8–15–67, Cl. 261—123.
Schreiber, Charles L., to Corning Glass Works. Display device. 3,323,244, 6–6–67, Cl. 40—130.
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Schreiber, Joseph. Master-keying system. 3,348,392, 10–24–67, Cl. 70—358.
Schreiber, Joseph and G. Locking mechanisms. Re. 26,272, 9–26–67, Cl. 70—358.
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Schrewelius, Nils G., to Aktiebolaget Kanthal. Heat-resistant and oxidation-proof materials. 3,321,727, 5–23–67, Cl. 338—330.
Schrewelius, Nils G., and C. B. O. Magnusson, to Aktiebolaget Kanthal. Electric heating resistors. 3,345,597, 10–3–67, Cl. 338—302.
Schreyer, Kenneth D., to Lyon Metal Products, Inc. Table construction. 3,327,658, 6–27–67, Cl. 108—156.
Schreyer, Kenneth D., to Lyon Metal Products, Inc. Stationary pedestal. 3,328,104, 6–27–67, Cl. 312—301.
Schreyer, Kenneth D., to Lyon Metal Products, Inc. Desk construction. 3,338,647, 8–29–67, Cl. 312—194.
Schreyer, Kenneth D., to Lyon Metal Products Inc. Table construction. 3,339,504, 9–5–67, Cl. 108—156.
Schreyer, Kenneth D., to Lyon Metal Products, Inc. Typewriter shelf. 3,356,430, 12–5–67, Cl. 312—208.
Schreyer, Kenneth D., to Lyon Metal Products, Inc. Desk construction. 3,359,930, 12–26–67, Cl. 108—92.
Schreyer, Kenneth D., and E. C. Stewart, to Lyon Metal Products, Inc. Furniture leg. 3,356,327, 12–5–67, Cl. 248—188.4.
Schreyer, Ralph C., to E. I. du Pont de Nemours and Co. Hydrodimerization of methacrylic acid esters. 3,322,819, 5–30–67, Cl. 260—485.
Schreyer, Stafford D., to United States of America, Navy. Transmit-receive switch wherein branch line gas cell has resonant iris at its low power port, whereby iris is protected from peak power. 3,337,819, 8–22–67, Cl. 333—7.
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Schrieber, Richard A. Flying archery target. 3,359,000, 12–19–67, Cl. 273—105.4.
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Schriesheim, Alan, and C. A. Rowe, Jr., to Esso Research and Engineering Co. Isomerization process. 3,309,410, 3–14–67. Cl. 260—666.
Schriever, Fred O. Rail securing device. 3,337,132, 8–22–67, Cl. 238—382.
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Schroader, Irvin H., M. E. Hosea, and I. R. Hunter, Jr., to United States of America, Navy. Launcher and capture computer. 3,295,794, 1–3–67, Cl. 244—14.
Schrock, Donald C., to Crane Co. Apparatus for actuating a flush valve. 3,302,217, 2–7–67, Cl. 4—57.
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Schroder, Edward W. Toilet flush mechanism. 3,323,142, 6–6–67, Cl. 4—249.
Schroder, Gerhard A. R., and J. R. Srock, to Dr. Ing. h.c. F. Porsche K.G., Firma. Vehicle body. 3,331,627, 7–18–67, Cl. 296—31.
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Schröder, Ludwig, K. Thomas, and D. Jerchel, to C. H. Boehringer, Sohn. Triphenyl-tin-[pyridyl-N-oxide-(2)]-sulfide. 3,321,480, 5–23–67, Cl. 260—270.
Schröder, Ludwig, K. Thomas, and D. Jerchel, to C. H. Boehringer, Sohn. Heterocyclic N - oxide-tri-phenylchloro-tin salts. 3,321,481, 5–23–67, Cl. 260—270.
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Schulz, Hermann, W. Schwarze, T. Lussling, and E. Noll, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Catalyzed production of azido triazines. 3,328,400, 6–27–67, Cl. 260—249.6.
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Schumacher, Walter C., to General Electric Co. Strain relief cable clamp. 3,360,766, 12–26–67, Cl. 339—103.

Schumacher, William J., R. D. Hill and M. Hill, to Hill Tool and Engineering Co. Apparatus for the operation of flying cut-off device. 3,299,757, 1–24–67, Cl. 83—293.

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Schumann, Edward L., to The Upjohn Co. Phenyl N-alkylcarbamyloxy-benzhydryl ketones. 3,308,154, 3–7–67, Cl. 260—479.

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Schumer, Louis. Key case. 3,299,930, 1–24–67, Cl. 150—40.

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Schunda, Anton, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Transfer switch for tap-changing transformers convertible for adaptation to a wide range of currents. 3,360,618, 12–26–67, Cl. 200—11.

Schundehutte, Karl-Heinz, F. Suckfull, and H. Nickel, to Farbenfabriken Bayer Aktiengesellschaft. Copper-containing polyazo dyestuffs. 3,317,507, 5–2–67, Cl. 260—145.

Schunemann, Calvin A., to Horizons Inc. Copper coated steel. 3,311,458, 3–28–67, Cl. 29—183.5.

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Schunemann, Calvin A., to Horizons Inc. Zinc recovery. 3,323,-910, 6–6–67, Cl. 75—86.

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Schurman, Peter T., and R. C. Confer, to W. R. Grace & Co. Apparatus for blow molding hollow containers. 3,317,955, 5–9–67, Cl. 18—5.

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Schurman, Peter T., and R. C. Confer, to W. R. Grace & Co. Hollow wall container. 3,339,781, 9–5–67, Cl. 220—9.

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Schuster, Alfred, to Union-Teppich-Fabrik Walter Poser & Co. KG. Method for removing floating yarn ends from a pile fabric. 3,351,990, 11–14–67, Cl. 26—15.

Schuster, Gordon L., and H. W. Grivna, to Timesavers Sanders, Inc. Abrasive sleeve for rotary abrading machines. 3,339,319, 9–5–67, Cl. 51—395.

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Schuster, Nick A., to Schlumberger Technology Corp. Apparatus for well completion. 3,348,621, 10–24–67, Cl. 175—4.52.

Schuster, Nick A., and W. T. Bell, to Schlumberger Corp. Well completion apparatus. 3,305,032, 2–21–67, Cl. 175—4.52.

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Schuster, Wilhelm. Collapsible structure with interleaved sections. 3,295,269, 1–3–67, Cl. 52—108.

Schuster, Wilhelm. Collapsible columnar structure. 3,312,-020, 4–4–67, Cl. 52—108.

Schuster, Wilhelm. Load-bearing structure, reversibly flexible and rigid. 3,314,200, 4–18–67, Cl. 52—108.

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Schweiger, Richard G., to Kelco Co. Process of preparing sulfate esters of algin and products obtained thereby. 3,349,078, 10–24–67, Cl. 260—209.6.
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Scott, Joseph H., Jr., and J. A. Olmstead, to Radio Corp. of America. Semiconductor devices having modifier-containing surface oxide layer. 3,340,445, 9–5–67, Cl. 317—234.
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Scott, Junius D. Silicon controlled rectifier control circuit for reciprocating motors. 3,316,470, 4–25–67, Cl. 318—130.
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Scott, Lewis, to United States of America, Navy. Rotatably selectable high voltage switch. 3,303,301, 2–7–67, Cl. 200—51.1.
Scott, Louis F. Safety jack for automotive vehicles and the like. 3,353,789, 11–21–67, Cl. 254—88.
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Scott, Robert K., E. Leatham, and E. Einstein, to Harbison-Walker Refractories Co. Production of vitreous silica in a rotary kiln. 3,326,704, 6–20–67, Cl. 106—65.
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Sear, Brian E., to The Bunker-Ramo Corp. High speed digital circuits. 3,341,715, 9–12–67, Cl. 307—88.5.
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Sear, Brian E., R. A. Stephens, and R. C. Williams, to The Bunker-Ramo Corp. Planar coaxial circuitry. 3,351,816, 11–7–67, Cl. 317—101.
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Searcy, Durward F., and T. W. Scott, to United Gas Corp. Computer scanning apparatus. 3,327,097, 6–20–67, Cl. 235—61.6.
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Sebastiani, Martin. Mortar dressing device. 3,302,233, 2–7–67, Cl. 15—235.4.

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Segur, Asa B. Apparatus for removing meat from poultry wings. 3,296,654, 1–10–67, Cl. 17—11.

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Self, Richard W., J. C. Watkins, Jr., and J. K. Sullins, to The Mead Corp. Process for control of micro-organisms in process streams. 3,328,294, 6–27–67, Cl. 210—62.
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Highfill, Clyde W., Jr., and Self. 3,333,777.
Selfix, Inc.: *See*—
Ragir, Meyer J. 3,322,287.
Selfridge, Frank W., to J. M. Huber Corp. Process and apparatus for producing carbon black. 3,340,010, 9–5–67, Cl. 23—209.4.
Selhost, Dale L., and J. P. Warner, to American Air Filter Co., Inc. Air-conditioning control system. 3,332,475, 7–25–67, Cl. 165—16.
Selig, Guenther, to Digit Display Corp. Modular time and temperature display with cam controlled switching apparatus. 3,358,277, 12–12–67, Cl. 340—338.
Selig, James H., to Oldberg Mfg. Co. Muffler with spaced concentric tubular members. 3,315,761, 4–25–67, Cl. 181—48.
Seliger, James M.: *See*—
Fawcett, Jack, Franks, and Seliger. 3,302,958.
Seliger, Victor H., and R. Y. Paradise, to General Precision Inc. Voltage to pulse frequency converter. 3,309,603, 3–14–67, Cl. 321—60.
Seliger, Victor H., and A. F. Wermund, to United States of America, Air Force. Drift compensation computer. 3,349,-630, 10–31–67, Cl. 74—5.34.
Seligman, Robert B.: *See*—
Hind, John D., and Seligman. 3,353,541.
Selin, Terry G.: *See*—
Prescott, Paul I., and Selin. 3,317,578.
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Selinder, Eric P., to Honeywell Inc. Control device mounting. 3,332,648, 7–25–67, Cl. 248—27.
Selinsky, Philip M. Film slide projector disc. 3,325,932, 6–20–67, Cl. 40—70.
Selka, Friedrich: *See*—
Fitzer, Erich, Rubisch, and Selka. 3,307,136.
Selke, William A.: *See*—
Stevens, Chester U., Schweitzer, and Selke. 3,298,378.
Selke, William A., to Kimberly-Clark Corp. Electrolytic device comprising fibrous ionically permeable spacer. 3,340,-444, 9–5–67, Cl. 317—230.
Selker, Eugene I. Baseball gameboard. 3,355,173, 11–28–67, Cl. 273—89.
Selker, Milton L., and P. P. Zapponi, to Clevite Harris Products, Inc. Lubricated rubber bearing. 3,300,257, 1–24–67, Cl. 308—36.1.
Sell, George J., to Trusteel Corp. (Universal) Ltd. Concrete building structures with pre-laminated plaster board facing sheets. 3,344,572, 10–3–67, Cl. 52—426.
Sell, Heinz G.: *See*—
Morcom, William R., and Sell. 3,338,706.
Sellars, James F., Jr., and R. C. King, to Hamilton Cosco, Inc. Training chair. 3,343,179, 9–26–67, Cl. 4—134.
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Agdur, Nils B., Sellberg, Boling, and Ohman. 3,296,482.
Selle, Wilbur A.: *See*—
Macleod, Norman A. 3,329,142.
Selleck, Edward J. Hub cap and wheel locking device. 3,336,-771, 8–22–67, Cl. 70—259.
Selleck, Edward J. Safety hub cap and locking device. 3,352,-133, 11–14–67, Cl. 70—259.
Selleck, Marion P. Disposable lip-cosmetic applicator. 3,308,-837, 3–14–67, Cl. 132—88.7.
Selleck, Robert W.: *See*—
Cantoni, John D., Gerrans, and Selleck. 3,333,618.
Selleck, Robert W. Drawing compass. 3,313,028, 4–11–67, Cl. 33—156.
Selleck, Robert W. Elevation measuring instrument. 3,330,-045, 7–11–67, Cl. 33—209.
Sellen, Carl R., and F. Collura, to Keuffel & Esser Co. Tape clamp. 3,329,045, 7–4–67, Cl. 81—3.
Sellen, Carl R., W. A. Neithardt, W. J. Drexler, and F. Collura, to Keuffel & Esser Co. Lettering set. 3,338,389, 8–29–67, Cl. 206—16.
Sellen, Carl R., and F. Collura, to Keuffel & Esser Co. Measuring tape device. 3,347,487, 10–17–67, Cl. 242—84.8.
Sellen, John M., Jr.: *See*—
Kemp, Robert F., Sellen, and Slattery. 3,300,717.
Sellenraad, Christoffel, and G. J. Berns, to North American Philips Co. Lighting fitting. 3,355,583, 11–28–67, Cl. 240—128.
Sellers, Donald F.: *See*—
Fraiser, Hulin R., Jr., and Sellers. 3,323,377.
Sellers, Harold M. Chewing gum containing gas and a medicament. 3,316,154, 4–25–67, Cl. 167—82.

Sellers, Harvey A., Jr. Glider kite. 3,305,198, 2–21–67, Cl. 244—153.
Sellers, Henry G., Jr., to Tenneco Chemicals, Inc. Process for decolorizing dipentene polymers. 3,326,876, 6–20–67, Cl. 260—933.
Sellers, Henry G., Jr., to Tenneco Chemicals Corp. Process for treating dipentene polymers. 3,359,250, 12–19–67, Cl. 260—93.3.
Sellers, Henry G., Jr., and H. E. McLaughlin, to Tenneco Chemicals, Inc. Production of terpene resins. 3,297,673, 1–10–67, Cl. 260—93.3.
Sellers, Howard E. Tire carrier. 3,343,736, 9–26–67, Cl. 224—42.06.
Sellers Mfg. Co. Inc.: *See*—
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Sellers, Paul E.: *See*—
Adomaitis, Domas, and Sellers. 3,347,957.
Sellers, Ralph F.: *See*—
Welch, John L., Jr., Sellers, and Madden. 3,342,918.
Sellers, Ralph F., S. G. Smith, Jr., and A. S. Burhans, to Union Carbide Corp. Glycidyl ethers. 3,332,908, 7–25–67, Cl. 260—47.
Sellers, W. R.: *See*—
Burton, Emmitt V., and Stark. 3,343,237.
Sellers, William D.: *See*—
Moeschler, John A. 3,307,205.
Sellesi, Licio. Removable holder for mops and the like. 3,328,822, 7–4–67, Cl. 15—151.
Sellet, Lucien, to Nopco Chemical Co. Amphoteric resins prepared by condensing alkali metal salts of sulfomethyl dicyandiamide with formaldehyde. 3,300,446, 1–24–67, Cl. 260—69.
Sellet, Lucien, to Nopco Chemical Co. Condensate prepared by reacting formaldehyde with a reaction product of ammonia and a linear polymer containing equimolar amounts of maleic anhydride and at least one other ethylenically unsaturated monomer. 3,317,476, 5–2–67, Cl. 260—72.
Sellet, Lucien, to Nopco Chemical Co. Amphoteric resinous condensation products prepared by reacting HCHO with the reaction product of a water-soluble anionic linear copolymer and dicyan diamide compounds. 3,322,726, 5–30–67, Cl. 260—69
Sellet, Lucien, to Nopco Chemical Co. Antistatic polymeric materials containing ethylene oxide condensation products of phenolic derivatives. 3,333,983, 8–1–67, Cl. 117—139.5.
Sellet, Lucien, to Nopco Chemical Co. Treating agents, their preparation and their use. 3,334,072, 8–1–67, Cl. 260—78.5.
Sellet, Lucien, to Nopco Chemical Co. Condensates of aminoplast-sulfonated phenolic compounds. 3,340,215, 9–5–67, Cl. 260—29.4.
Sellet, Lucien, to Nopco Chemical Co. Resinous condensates. 3,340,237, 9–5–67, Cl. 260—78.4.
Sellman, Karl E. T., to Lennart Reinhold Kalb. Strapping apparatus for packing straps. 3,327,619, 6–27–67, Cl. 100—29.
Sellner, John W. Combined reclining, exercising and massaging device. 3,315,666, 4–25–67, Cl. 128—25.
Sello, Stephen B.: *See*—
Tesoro, Giuliana C., and Sello. 3,338,883.
Sellors, Thomas J., to The Finn Industries. Carton having an integrally formed measuring device therein. 3,298,576, 1–17–67, Cl. 222—456.
Selman, Stanley: *See*—
Anderson, Daniel G., and Selman. 3,326,984.
Selman, Stanley, to E. I. du Pont de Nemours and Co. Perfluoropyruvyl fluoride and process. 3,321,517, 5–23–67, Cl. 260—544.
Selman, Stanley, to Ethicon, Inc. Preparation of optically active lactides. 3,322,791, 5–30–67, Cl. 260—340.2.
Selman, Stanley, and E. N. Squire, to E. I. du Pont de Nemours and Co. Perfluoro(2-methylene-4-methyl-1,3-dioxolane) and polymers thereof. 3,308,107, 3–7–67, Cl. 260—87.5.
Selman, Stanley, and W. S. Smith, Jr., to E. I. du Pont de Nemours and Co. Hydrogen capped fluorocarbon polyethers. 3,342,875, 9–19–67, Cl. 260—615.
Sel-Mar, Inc.: *See*—
Voorhees, John A., and Baylor. 3,306,297.
Selmeczi, Joseph G., and E. C. Drews, to General Ionics Corp. Water treating apparatus with agent-adding dispenser. 3,342,338, 9–19–67, Cl. 210—191.
Selnes, Norman W. Accessory bag and ski boot tree. 3,297,219, 1–10–67, Cl. 224—45.
Selover, Roy U., Jr.: *See*—
Kelley, Gerald L., and Selover. 3,309,791.
Selover, Theodore B., Jr.: *See*—
Rightmire, Robert A., and Selover. 3,335,025.
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Willems, Jozef F., Sevens, and Sels. 3,311,474.
Sels, Robert L., to Western Electric Co., Inc. Heat control circuit generating pulses synchronized to A.C. source employing the PNPN diodes having different threshold values. 3,296,419, 1–3–67, Cl. 219—499.
Sels, Robert L., and G. F. Stetzler, to Western Electric Co., Inc. Apparatus employing a voltage difference capacitor network for measuring the hold current of negative resistance devices. 3,333,195, 7–25–67, Cl. 324—158.
Selsted, Walter T., and W. I. Girdner, to Hewlett-Packard Co. Tape recording and reproducing apparatus. 3,295,780, 1–3–67, Cl. 242—55.12.
Selsted, Walter T., and W. I. Girdner, to Hewlett-Packard Co. Centrifugally released clutch. 3,298,490, 1–17–67, Cl. 192—104.
Seltman, Paul R., to Crescent Paper Tube Co., Inc. Corner post. 3,315,867, 4–25–67, Cl. 229—14.
Seltman, Paul R., to Crescent Paper Tube Co., Inc. Container with corner posts. 3,341,106, 9–12–67, Cl. 229—49.
Seltorp, Leonard J. Heterogeneous nuclear reactor and fuel element therefor. 3,350,272, 10–31–67, Cl. 176—32.
Seltzer, Fred P. Bread dicer. 3,318,352, 5–9–67, Cl. 146—150.
Seltzer, Harry. Plugging device. 3,307,731, 3–7–67, Cl. 220—24.5.
Seltzer, Ira R. Device for removing and installing tubular lamps. 3,329,459, 7–4–67, Cl. 294—20.
Seltzer, Norman L., to The Kendall Co. Diaper having multilayer and single layer fabric sections with similar warp end count. 3,315,675, 4–25–67, Cl. 128—284.
Seltzer, Norman L., to The Kendall Co. Diaper contoured by shrinking. 3,339,548, 9–5–67, Cl. 128—284.
Selvin, Manuel, and F. S. Preston, to United Aircraft Corp. Automatic terrain avoidance system. 3,302,198, 1–31–67, Cl. 343—7.
Selwitz, Charles M.: *See*—
Barie, Walter P., Jr., and Selwitz. 3,326,856.
Clement, William H., Peters, and Selwitz. 3,317,624.
Clement, William H., Peters, and Selwitz. 3,318,969.
Clement, William H., Peters, and Selwitz. 3,322,844.
Clement, William H., and Selwitz. 3,303,020.
Selwitz, Charles M., to Gulf Research & Development Co. 5-phenyl-5 lower alkyl pentane-1,2,3,4 tetracarboxylic acids and anhydrides. 3,297,723, 1–10–67, Cl. 260—347.3.
Selwitz, Charles M., to Gulf Research & Development Co. Oxidation of benzene to phenol. 3,360,572, 12–26–67, Cl. 260—621.
Selwitz, Charles M., and E. R. Tucci, to Gulf Research & Development Co. Preparation of an aromatic ester from an alkylaromatic compound and a carboxylic acid in the presence of a tetravalent cerium salt and an inhibitant. 3,346,622, 10–10–67, Cl. 260—488.
Selwitz, Charles M., and E. R. Tucci, to Gulf Research & Development Co. Condensation and oxidation of alkyl-aromatic compounds with tetravalent cerium compounds as promoters. 3,349,117, 10–24–67, Cl. 260—488.
Selwood, Alan, and W. R. Baker, to British Nylon Spinners Ltd. Detection of tactile surface irregularities on bobbins. 3,307,694, 3–7–67, Cl. 209—88.
Selwood, Peter R., and R. L. Creedon, to William R. Selwood Ltd. Pumps for liquids. 3,307,492, 3–7–67, Cl. 103—223.
Selwood, William R., Ltd.: *See*—
Selwood, Peter R., and Creedon. 3,307,492.
Selwyn, Donald. Receiver apparatus. 3,345,571, 10–3–67, Cl. 325—329.
Selz, Jacques: *See*—
Leostic, Joseph, Babany, Cabet, and Selz. 3,332,019.
Selzer, Eric G.: *See*—
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Selzer, John V. Auxiliary controllers for warning of malfunction for electrical traffic light systems. 3,336,574, 8–15–67, Cl. 340—41.
Sem, Bjarne. Spray nozzle. 3,304,012, 2–14–67, Cl. 239—400.
Sem, Mathias O., to Electrokemisk A/S. Aluminum electrolytic cell and method of use. 3,322,658, 5–30–67, Cl. 204—67.
Semadeni, Silvio: *See*—
Zuber, Otto, Semadeni, and Moller. 3,357,575.
Seman, Frederick P., D. O. Glenn, and C. Gossey. Filtration means for filter cigarettes. 3,330,284, 7–11–67, Cl. 131—10.5.
Semancik, John R., and W. A. Gallup, to Diamond Alkali Co. Process and laminated structures where the adhesive is the copolymer of vinyl fluoride and another vinyl compound. 3,325,344, 6–13–67, Cl. 161—218.
Semco Twist Drill and Tool Co.: *See*—
Stafford, Henry A. 3,312,127.
Semegen, Stephen T.: *See*—
Larner, William H. V., Jr., Reutern, and Semegen. 3,336,183.
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Bolognesi, Giampaolo. 3,329,917.
Semenchuk, William F., to Canada Iron Foundries, Ltd. Method of welding ductile iron. 3,301,997, 1–31–67, Cl. 219—137.
Semenhuk, Michael H., to Harris Intertype Corp. Sheet handling apparatus. 3,355,639, 11–28–67, Cl. 317—262.
Semenoff, Robert H.: *See*—
Woolston, Lionel L., Semenoff, and Armstrong. 3,316,807.
Semenoff, Robert H., to United States of America, Navy. Electromagnetic radiation proof bomb-arming device. 3,319,521, 5–16–67, Cl. 89—1.5.
Semeyns de Vries Van Doesburgh, Johan T., and J. J. M. Deumens, to Stamicarbon N.V. Esterification of polyvalent alkanols with nitric acid in liquid sulphur dioxide. 3,316,289, 4–25–67, Cl. 260—467.
Semicon Associates, Inc.: *See*—
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Semi-Elements, Inc.: *See*—
Vickery, Ronald C. 3,340,108.
Vickery, Ronald C., and Fisher. 3,320,170.

Semo, Marcel S. Useful power from ocean waves. 3,353,787, 11–21–67, Cl. 253—4.

Semon, Lawrence J. Telephone line testing unit. 3,350,515, 10–31–67, Cl. 179—175.1.

Semones, Donald E., and W. E. Chase, to Battele Memorial Institute. Method of preparing electrodes. 3,355,326, 11–28–67, Cl. 136—86.

Semper, Kenneth D. S., to Hancoch & Co. (Engineers) Ltd. Oxygen jet cutting machines. 3,301,543, 1–31–67, Cl. 266—23.

Semple, Jason V., to Rain Jet Corp. Aerating nozzle. 3,330,-486, 7–11–67, Cl. 239—428.5.

Semple, Robert M.: *See*—
Alsop, Charles R., and Semple. Re. 26,194.

Semroc, Charles V., to Pittsburgh Plate Glass Co. Coating composition comprising an alkyd resin, an aminoplast, and an adduct of a hydroxyl-containing polymer and an anhydride of a dicarboxylic acid. 3,329,739, 7–4–67, Cl. 260—850.

Sem-Sandberg, Sverre G.: *See*—
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Semsel, Andrew M.: *See*—
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Sen, Nirmal: *See*—
Faulkner, Raymond N., and Sen. 3,354,104.

Sena, Edwin A., to Marathon Oil Co. Process for secondary recovery of petroleum using stabilized microemulsions. 3,307,628. 3–7–67, Cl. 166—9.

Senard, Pierre J. R, to R. Senard et Fils. Bending machines. 3,349,595, 10–31–67, Cl. 72—156.

Senard, R., et Fils: *See*—
Senard, Pierre J. R. 3,349,595.

Senco Products, Inc.: *See*—
Juilfs, Albert G. Re. 26,262.
Racer, James H. 3,352,474.

Senda, Kazuo: *See*—
Sasadi, Minoru, Yamamoto, Ichikawa, Ohzeki, Senda, and Masunaka. 3,355,402.

Senda, Shigeo, H. Fujimura, and H. Izumi, to Takeda Chemical Industries, Ltd. Barbituric acid derivatives. 3,324,125, 6–6–67, Cl. 260—257.

Senderoff, Seymour, to Union Carbide Corp. Thermocell battery. 3,311,506, 3–28–67, Cl. 136—86.

Sendish, Otto J. Ottovent shroud system. 3,301,509, 1–31–67, Cl. 244—42.

Sendoykas, Jack J. Toggle clamp. 3,311,367, 3–28–67, Cl. 269—91.

Sendro, George T., to Sigma Instruments, Inc. Condition control galvanometer with photoelectric limit sensing. 3,337,739, 8–22–67, Cl. 250—231.

Sendzimir, Michael G. Backed mill with readily exchangeable working rolls. 3,318,130, 5–9–67, Cl. 72—226.

Sendzimir, Tadeusz. Spiral looper. 3,310,255, 3–21–67, Cl. 242—78.1.

Sendzimir, Tadeusz. Reduction of thick flat articles. 3,333,-452, 8–1–67, Cl. 72—184.

Sendzimir, Tadeusz. Control of deflection in rolling mills and the like. 3,355,924, 12–5–67, Cl. 72—241.

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Eisengrein, Robert H., and Blackwell. 3,355,641.

Senecal, Vance E., to E. I. du Pont de Nemours and Co. Die. 3,302,239. 2–7–67. Cl. 18—12.

Senediak, Joseph. Key threading devices. 3,359,581, 12–26–67, Cl. 10—10.

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Senese, Oswald: *See*—
Cann, Arthur S., and Senese. 3,334,405.

Seney, John S., to E. I. du Pont de Nemours and Co. Light-sensitive switch with feedback. 3,308,304, 3–7–67, Cl. 250—231.

Seney, John S., to E. I. du Pont de Nemours and Co. Photovoltaic cell with wave guide. 3,310,439, 3–21–67, Cl. 136—89.

Seney, John S., to E. I. du Pont de Nemours and Co. Encapsulated electrical component. 3,310,719, 3–21–67, Cl. 317—258.

Seney, John S., to E. I. du Pont de Nemours and Co. Continuous thread tension indicating drive roller. 3,354,711, 11–28–67, Cl. 73—143.

Senez, Claude J. M., to Etablissements Kuhlmann. Process and composition for improving the mechanical properties of flame proofed cellulosic textile materials. 3,323,944, 6–6–67, Cl. 117—136.

Senfleben, Paul W.: *See*—
Battell, Leslie C., Senfleben, and Yarrison. 3,339,236.
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Yarrison, Walter W., Battell, and Senfleben. 3,343,221.

Senft, Frank W., to Pennsylvania Saw Corp. Saw and handle therefor. 3,326,253, 6–20–67, Cl. 145—31.

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De Luca, Paul V., and Senft. 3,323,094.

Senft, James R., and M. M. Light, to Personal Service Mfg. Corp. Bi-metal motor. 3,355,880, 12–5–67, Cl. 60—23.

Senfy, Karl, to General Motors Corp. Injector clamp and index device. 3,343,798, 9–26–67, Cl. 239—533.

Seng Co., The: *See*
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Sengbush, Raymond L., to Mobil Oil Corp. Optimum detector type and depth in marine seismic exploration. 3,350,683, 10–31–67, Cl. 340—7.

Sengoku, Zenshiro: *See*—
Yamamoto, Akira, Matsuda, Fujita, Inoue, and Sengoku. 3,311,939.

Senior, Alwyn: *See* –
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Senior, Alwyn, to Formica Corp. Methyl ethyl ketone solution of a terpolymer of methylmethacrylate, butylacrylate and 2-hydroxyethylmethacrylate. 3,304,280, 2–14–67, Cl. 260—32.8.

Senior, Henry, and F. A. Howlett, to Bakelite Xylonite Ltd. Injection blow molding machine. 3,305,890, 2–28–67, Cl. 18—5.

Seniuta, John. Machine for making looping points. 3,315,-710, 4–25–67, Cl. 140—1.

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Senkbeil, Herman O., to The Dow Chemical Co. O-alkyl N,N'-dialkyl phosphorodiaminodithioates. 3,309,429, 3–14–67. Cl. 260—959.

Senkbeil, Herman O., and K. C. Kauer, to The Dow Chemical Co. Method for the manufacture of S-substituted phosphorodichloridothioates. 3,337,658, 8–22–67, Cl. 260—989.

Senkewich, Alexander M., 5% to J. M. Heilman, and 5% to M. Kingston. Windshield wiper with hot air. 3,321,792, 5–30–67, Cl. 15—250.04.

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Senkowski, Thaddeus S.: *See*—
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Senn, Christoph: *See*—
Capponi, Miro, Guenthard, and Senn. 3,338,658.

Sennello, Joseph J.: *See*—
Wagner, Edward W., and Sennello. 3,310,195.

Sennello, Joseph J., and H. J. Keinanen, to Continental Can Co., Inc. Welding control circuit. 3,354,287, 11–21–67, Cl. 219—110.

Sennewald, Kurt, W. Vogt, J. Kandler, and R. Sommerfeld, to Knapsack Aktiengesellschaft. Process for isolating hydrocyanic acid or mixtures of hydrocyanic acid with nitriles from gas mixtures containing ammonia. 3,305,308, 2–21–67, Cl. 23—151.

Sennewald, Kurt, W. Vogt, H. Erpenbach, and H. Joest, to Knapsack-Griesheim Aktiengesellschaft. Process for the manufacture of 1,2-dicyanocyclobutanes. 3,316,288, 4–25–67, Cl. 260—464.

Sennewald, Kurt, W. Vogt, A. Ohorodnik, and H. Vierling, to Knapsack Aktiengesellschaft. Process for the manufacture of unsaturated nitriles. 3,324,166, 6–6–67, Cl. 260—465.3.

Sennewald, Kurt, W. Vogt, and H. Erpenbach, to Knapsack-Griesheim Aktiengesellschaft. Process for separating acrylonitrile and hydrocyanic acid from mixtures by distillation with phenothiazine and phosphoric acid. 3,329,582, 7–4–67, Cl. 203—6.

Sennewald, Kurt, W. Vogt, H. Erpenbach, and H. Joest, to Knapsack Aktiengesellschaft. Process for the continuous manufacture of substantially acetic acid-containing mixtures of low molecular weight fatty acids by paraffin oxidation. 3,335,160, 8–8–67, Cl. 260—451.

Sennewald, Kurt, H. Erpenbach, H. Gudernatsch, and W. Vogt, to Knapsack-Griesheim Aktiengesellschaft. Process for the manufacture of 1,2-diaminomethylcyclobutane. 3,346,637, 10–10–67, Cl. 260—563.

Sennewald, Kurt, and P. Wirtz, to Knapsack Aktiengesellschaft. Process for isolating and purifying 1-cyanobutadiene-(1,3) by plural stage distillation in the presence of nitrogen oxide. 3,354,054, 11–21–67, Cl. 203—8.

Sennewald, Kurt, W. Vogt, H. Weiden, K. Kaiser, and P. Komischke, to Knapsack Aktiengesellschaft. Purification of 1,3-dichloro-butene-(2) by plural stage vacuum distillation. 3,354,055, 11–21–67, Cl. 203—8.

Sennewald, Kurt, A. Ohorodnik, and W. Vogt, to Knapsack Aktiengesellschaft. Process for the manufacture of acrolein. 3,359,325, 12–19–67, Cl. 260—604.

Sennewald, Kurt, A. Hauser, and W. Lork, to Knapsack Aktiengesellschaft. Process for the manufacture of cyanoacetic acid esters. 3,360,540, 12–26–67, Cl. 260—464.

Sennhenn, Emil, and H. Horneff, to Fernseh G.m.b.H. Transistor clamp circuit for altering the direct current component of a television signal. 3,315,033, 4–18–67, Cl. 178—7.1.

Senour, Donald A.: *See*—
Laimins, Eric, and Senour. 3,303,695.

Senour, Donald A., to BLH Electronics, Inc. Non-linearity-compensated strain gage instrumentation. 3,350,927, 11–7–67, Cl. 73—88.5.

Sensatronics, Inc.: *See*—
Oppenheimer, Gene A. 3,360,607.

Senseman, Paul S. Lighted automobile wheel cap apparatus and assembly method. 3,340,389, 9–5–67, Cl. 240—8.12.

Senser, Karl E., to Sears Roebuck and Co. Jacket closure. 3,335,425, 8–15–67, Cl. 2—96.

Senshu, Hisashi, to Mitsubishi Chemical Industries Ltd. Process for the production of naphthalic acid derivatives. 3,308,127, 3–7–67, Cl. 260—281.

Senshu, Hisashi, and M. Yamashita, to Mitsubishi Chemical Industries, Ltd. Naphthalimide whitening agents and method of making same. 3,330,834, 7–11–67, Cl. 260—281.

Sensi, John E., and W. F. Galey, to Pittshburgh Plate Glass Co. Method of forming a glass ribbon on a gas support bed. 3,355,275, 11–28–67, Cl. 65—99.
Sensi, Piero: *See*—
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Craveri, Renato, Coronelli, and Sensi. 3,300,379.
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Maggi, Nicola, and Sensi. 3,349,082.
Sensi, Piero, and M. T. Timbal, to Lepetit S.p.A. Antibiotic. 3,301,753, 1–31–67, Cl. 167—65.
Sensi, Piero, and C. Coronelli, to Lepetit S.p.A. Phenoxymethylpenicillin carbo-ter-butoxymethoxyamide. 3,306,893, 2–28–67, Cl. 260—239.1.
Sensi, Piero, and N. Maggi, to Lepetit S.p.A. Rifamycin B derivatives and method of producing same. 3,313,804, 4–11–67, Cl. 260—239.3.
Sensibar, Jacob R., and A. E. Petkus, to Construction Aggregates Corp. Method of constructing an earthen dike and combination trenching and back-filling machine therefor. 3,331,209, 7–18–67, Cl. 61—31.
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Sentz, Adam J., to The Barth Corp. Encapsulated pressure regulator for liquid dispenser. 3,319,829, 5–16–67, Cl. 222—5.
Sentz, Adam J., to The Barth Corp. Spud lock for liquid dispenser. 3,334,938, 8–8–67, Cl. 292—257.
Senyi, Michael, to Liquieos Diversificados, S.A. Fish stick water and molasses fermented with yeast to prepare a feed supplement. 3,329,504, 7–4–67, Cl. 99—9.
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Seragnoli, Ariosto. Article transfer apparatus having automatic storage magazine. 3,340,992, 9–12–67, Cl. 198—24.
Seragnoli, Ariosto. Mechanism for transferring articles from one machine to another, with a store automatically acting as bag, particularly adapted for automatic wrapping machines and the like. 3,342,350, 9–19–67, Cl. 214—16.
Seragnoli, Ariosto, to G. D. Societe in Accomandita Semplice di Enzo Sergnoli e Ariosto Seragnoli. Transfer mechanism for articles travelling from a delivery machine to a reception machine. 3,360,100, 12–26–67, Cl. 198—24.
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Serniuk, George E., J. Rehner, Jr., and P. E. Wei, to Esso Research and Engineering Co. Crosslinking polymers with a halogenated sulfur compound. 3,344,123, 9–26–67, Cl. 260—79.3.
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Setecka, John C. Safety device for electrical receptacles. 3,317,881, 5–2–67, Cl. 339—42.

Seter, Peter K. Vacuum filter assembly. 3,341,023, 9–12–67, Cl. 210—237.
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Settlage, Paul H., to E. I. du Pont de Nemours and Co. Coated particles of vinylidene chloride copolymers. 3,309,-330, 3–14–67, Cl. 260—29.6.
Settlemire, Eugene F. Rolling sales dispensing unit and multiple cash drawer for gasoline stations. 3,348,895, 10–24–67, Cl. 312—212.
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Seulen, Gerhard, and H. Kuhlbars, to Deutsche Edelstahlwerke Aktiengesellschaft Krefeld, and Allgemeine Elektricitats-Gesellschaft. Method of and apparatus for electroinductively heating the chain links of the track chains of caterpillar or track-laying vehicles. 3,336,459, 8–15–67, Cl. 219—10.43.
Seulen, Gerhard W., and J. T. Vaughan, to V & V Companies, Inc. Induction melting furnace. 3,320,348, 5–16–67, Cl. 13—27
Seulen, Gerhard W., and J. T. Vaughan, to Alco Standard Corp., formerly known as Alco Chemical Corp. Induction melting furnace improvements. 3,335,212, 8–8–67, Cl. 13—27.
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Sevy, Robert H., to United States of America, Atomic Energy Commission. Modular flux trap reactor. 3,341,420, 9–12–67, Cl. 176—18.
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Sewell, Donald N., to Dielectric Products Engineering Co., Inc. Electrical transmission line. 3,344,371, 9–26–67, Cl. 333—96.
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Sexstone, John H., and M. B. Hagan, to Brown & Williamson Tobacco Corp. Multiple filter assembly apparatus. 3,357,-320, 12–12–67, Cl. 93—1.
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Shafer, Homer J. Rotary valve of welded tube and plate construction and method of making. 3,323,537, 6–6–67, Cl. 137—246.15.
Shafer, Merrill W., to International Business Machines Corp. Method for producing rare earth chalcogenides. 3,353,907, 11–21–67, Cl. 23—50.
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Shaffer, James S., to W. R. Grace & Co. Process and apparatus for heat shrinking film. 3,357,153, 12–12–67, Cl. 53—30.
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Shichman, Daniel, to Uniroyal, Inc. Yarn texturizing apparatus and fluid diffuser therefor. 3,340,684, 9–12–67, Cl. 57—34.
Shichman, Daniel, H. C. Farrar, and W. N. Koe, to Uniroyal, Inc. Part feeding mechanism. 3,336,025, 8–15–67, Cl. 271—1.
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Sidles, James, to The B. F. Goodrich Co. Tire. 3,347,301, 10–17–67, Cl. 152—352.

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Siegla, Donald C., to General Motors Corp. Infrared surface heating unit with corrugated ribbon-shaped filament. 3,346,-720, 10–10–67, Cl. 219—464.

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Simmons, Robert C.: *See*—
Morris, William J., and Simmons. 3,352,613.
Simmons, Robert H.: *See*—
Baak, Nils T. E. A., and Simmons. 3,322,948.
Simmons, Roger C.: *See*—
Schaedler, Raymond J., and Simmons. 3,298,481.
Simmons, Roy P. Gutter screen attachment. 3,297,285, 1–10–67, Cl 248—48.1.
Simmons, Walter R., to Textron Industries, Inc. Hydraulically operated controlled stroke gun head. 3,309,911, 3–21–67, Cl. 72—391.
Simmons, William H. Container seal with integral means for unsealing. 3,321,102, 5–23–67, Cl. 220—47.
Simms, Charles, Jr.: *See*—
Stuber, Elwyn E., and Simms. 3,358,666.
Simms Group Research & Development Ltd.: *See*—
Freeland, William. 3,317,139.
Simms, Harold A.: *See*—
Hoblit, Louis D., and Simms. 3,310,225.
Simms, John T. W., and J. J. Taylor, to United Shoe Machinery Corp. Cutting dies. 3,335,628, 8–15–67, Cl. 83—652.
Simms, Paul R., to Teletype Corp. Printing telegraph motor start-stop mechanism. 3,317,660, 5–2–67, Cl. 178—4.1.
Simms, Philip W. Protective carrying device. 3,335,828, 8–15–67, Cl. 190—57.
Simms, Robert A., to Westinghouse Electric Corp. Photoconductive target electrode for a pickup tube and its method of fabrication. 3,303,344, 2–7–67, Cl. 250—211.
Simnad, Massoud T.: *See*—
Dee, John B., and Simnad. 3,352,757.
Simolka, Joseph J. Sidewalk edger. 3,357,497, 12–12–67, Cl. 172—16.
Simon, Albert B., and T. E. Fohs, to United States of America, Air Force. Flexure stiffness testing machine for ultrathin sheets. 3,324,714, 6–13–67, Cl. 73—100.
Simon, Andrew P.: *See*—
Hutchins, Marlyn R. 3,297,123.

Simon-Carves Ltd.: *See*—
Alderman, Lewis. 3,309,286.
Alsop, Charles R., and Semple. Re. 26,194.
Clough, George F. G. 3,323,782.
Clough, George F. G., and Wiltshier. 3,329,407
Howe, Charles, and Abson. 3,299,256.
Simon, Clarence K., to Dominion Products, Inc. Stabilized flavoring concentrates. 3,353,961, 11–21–67, Cl. 99—78.
Simon, Edouard, deceased, by P. Jonquet, legal representative, to Etablissements Simon S.A. Apparatus for knitting pockets on a full-fashioned knitting machine. 3,318,111, 5–9–67, Cl. 66—89.
Simon, Eli: *See*—
Ransom, Donald J., Simon, and Levine. 3,297,416.
Simon, Eli, and M. Levine, to Lockheed Aircraft Corp. Electrically conductive joints and gaskets. 3,347,978, 10–17–67, Cl. 174—84.
Simon, Frank C. Dispenser for pressure-sensitive tape and the like. 3,329,326, 7–4–67, Cl. 226—127.
Simon, Gladys B., and M. Reese. Orthopedic cast. 3,307,-537, 3–7–67, Cl. 128—90.
Simon, Gunter: *See*—
Potocnik, Kurt, and Simon. 3,315,950.
Simon Handling Engineers Ltd.: *See*—
Abson, James W., and Broadhurst. 3,314,765.
Simon, Hans. Cable clamp. 3,352,961, 11–14–67, Cl. 174—65.
Simon, Hans. Electric snap-action switch. 3,356,802, 12–5–67, Cl. 200—67.
Simon, Harry R., to Richard Engineering Co. Automotive accessories. 3,328,064, 6–27–67, Cl. 292—288.
Simon, Henry Ltd.: *See*—
Brown, Thomas J. A., and Gordon. 3,328,587.
Higgs, Ernest W. 3,317,085.
Simon, Henry, (Australia) Ltd.: *See*—
Pickering, Barry E. 3,346,988.
Simon, Horst, to Eastman Kodak Co. Means for retaining a film to a camera take-up spool. 3,353,766, 11–21–67, Cl. 242—74.2.
Simon, Irvin C.: *See*—
Merkley, Leo C., W. R., Hakes, and Simon. 3,324,989.
Simon, John. Jointed winding stem with screwed-on button. 3,358,438, 12–19–67, Cl. 58—90.
Simon, John C., Jr.: *See*—
Fox, Harvey M. 3,325,711.
Simon, John G., to Minnesota Mining and Mfg. Co. Mechanical plating. 3,328,197, 6–27–67, Cl. 117—109.
Simon, Klaus: *See*—
Mann, Hans-Joachim, Pohl, and Simon. 3,316,309.
Simon, Manfred: *See*—
Richtzenhain, Hermann, and Simon. 3,360,391.
Simon, Max, to Serta Associates, Inc. Spring unit construction. 3,327,331, 6–27–67, Cl. 5—351.
Simon, Myron S.: *See*—
Blout, Elkan R., and Simon. 3,337,589.
Downey, John F., and Simon. 3,347,672.
Green, Milton, and Simon. 3,299,041.
Simon, Myron S., and S. H. Mervis, to Polaroid Corp. Azo and anthraquinone dyes containing alkoxalyl and aryloxalyl mono- and diesters of o- and p-dihydroxyphenyl groups. 3,312,682, 4–4–67, Cl. 260—202.
Simon, Oskar: *See*—
Fezer, Eberhard, and Simon. 3,321,128.
Simon, Paul W.: *See*—
Lund, Richard B., Simon, and Vitrone. 3,354,148.
Simon, Raphael A.: *See*—
Adler, Meryle D. W., and Simon. 3,322,523.
Simon, Robert H. M., and B. Oster, to Monsanto Co. Process for recovering graft copolymer latex solids. 3,345,430, 10–3–67, Cl. 260—876.
Simon, Roger: *See*—
Leroy, Pierre, and Simon. 3,322,867.
Simon, Roger J. A., to Societe Anonyme: Etablissements Simon. Machine for the continuous production of salt butter. 3,353,270, 11–21–67, Cl. 31—33.
Simon, Sam A. Building construction and modular panels therefor. 3,310,917, 3–28–67, Cl. 52—90.
Simon, Samuel, to Prosit Service, Corp. Cord holder. 3,312,-434, 4–4–67, Cl. 248—62.
Simon, Warner H. Hermetically sealed container for welding rod. 3,350,535, 10–31–67, Cl. 219—74.
Simon, Wilhelm, to Rohm & Haas G.m.b.H. Extrusion die. 3,354,505, 11–28–67, Cl. 18—12.
Simon, William, to Image Instruments, Inc. Flying spot system for comparing an object with tolerance masks. 3,309,958, 3–21–67, Cl. 88—14.
Simon, William, to Massachusetts Institute of Technology. Pulse steering circuit applied to differential amplifier. 3,343,-098, 9–19–67, Cl. 330—30.
Simon, William F., to Sperry Rand Corp. Error detection and correction circuits. 3,331,051, 7–11–67, Cl. 340—146.1.
Simoncini, Francesco, to Officine Simoncini S.p.A. Method of type character reproduction. 3,301,125, 1–31–67, Cl. 88—24.
Simonds, Milton R.: *See*—
Salzberg, Harold K., and Simonds. 3,323,929.
Simone, Carl F., to Bell Telephone Laboratories, Inc. Digitally synthesized artificial transfer networks. 3,314,015, 4–11–67, Cl. 328—165.
Simone, Dominic: *See*—
Herman, Daniel F., Resnick, and Simone. 3,305,498.
Simone, Raymond A., and M. E. Brokke, to Stauffer Chemical Co. Process for the production of substituted pyrimidines. 3,328,405, 6–27–67, Cl. 260—251.
Simonet, Jocelyn E. L., and J. Biver, to Societe Du Carburateur Zenith. Variable air-intake carburettor. 3,351,327, 11–7–67, Cl. 261—48.
Simonetti, Sergio, to Sonic Engineering Corp. Mixing apparatus. 3,318,580, 5–9–67, Cl. 259—8.
Simonetti, Sergio, to Sonic Engineering Corp. Mixing system. 3,353,797, 11–21–67, Cl. 259—8.
Simonin, Rene, Jr., to Barksdale Valves. Adjustable (differential) actuation value pressure switch. 3,301,977, 1–31–67, Cl. 200—82.
Simonis, Edward A.: *See*—
Sibley, John D., Simonis, and Lusby. 3,360,050.
Simonis, Herbert: *See*—
Ismail, Roshdy, Corsepius, and Simonis. 3,347,848.
Simonis, Jurgen: *See*—
Eder, Wolfgang, and Simonis. 3,360,110.
Simonnet, Andre A. P., and L. A. Cabut, to Etablissements Kuhlmann. 1 - hydroxy-4-benzothiazolylamino anthraquinone. 3,313,823, 4–11–67, Cl. 260—303.
Simonoff, Natalie, to Esther Lustig. Reversible wrap around garment. 3,348,237, 10–24–67, Cl. 2—74.
Simonovic, Dragoljub, to GTV Gesellschaft fur Transport und Verkehrswesen m.b.H., Firma. Universal multi-purpose display device. 3,358,395, 12–19–67, Cl. 40—63.
Simons, Allison K., A. O. Radke, and H. N. Tengler, to Bostrom Corp. Vehicle seat rebound control. Re. 26,162, 2–21–67. Cl. 248—400.
Simons, Charles W., and R. S. Holdsworth, to W. R. Grace & Co. Gasket composed of a panel liner and an annular sealing ring for closures. 3,295,486, 1–3–67, Cl. 113—121.
Simons, Charles W., J. A. Gribens, and I. J. Arons, to W. R. Grace & Co. Aerosol container closures with plastisol sealing gaskets. 3,342,381, 9–19–67, Cl. 222—402.1.
Simons, Charles W., and I. J. Arons, to W. R. Grace & Co. Preparation of blister-free elastomeric films and coatings. 3,348,966, 10–24–67, Cl. 117—95.
Simons, Clifford G., to Sta-Rite Industries, Inc. In-line filter element assembling means. 3,358,839, 12–19–67, Cl. 210—232.
Simons, Clifford G., to Sta-Rite Industries, Inc. Pipe coupling. 3,359,018, 12–19–67, Cl. 285—367.
Simons, Dolph: *See*—
Levy, Warren W., Schweriner, and Simons. 3,359,469.
Simons, Hector E., to American Steel Corp. Strip steel measuring wheel. 3,295,215, 1–3–67, Cl. 33—134.
Simons, Ira W., to Cryo-Vac, Inc. Method and apparatus for evacuating sealed chambers. 3,357,446, 12–12–67, Cl. 137—322.
Simons, Karl. Portable hand loom for weaving. 3,332,448, 7–25–67, Cl. 139—29.
Simons, Sanford L., ½ to C. B. Messenger. Method for preparing a membrane. 3,303,254, 2–7–67, Cl. 264—219.
Simons, William H., Jr., ½ to R. Lunceford. Torsional twist manual exerciser device. 3,330,558, 7–11–67, Cl. 272—68.
Simons, William R., to S. L. Smith Sons (England) Ltd. Rate gyroscopes. 3,303,707, 2–14–67, Cl. 74—5.5.
Simons, William R., and D. L. Judd, to S. Smith & Sons (England) Ltd. Rate gyroscopes. 3,301,072, 1–31–67, Cl. 74—5.6.
Simonsen, George N. Method of measuring one's waistline. 3,323,141, 6–6–67, Cl. 2—322.
Simonson, Leroy W.: *See*—
Klinkenberg, Hubert E., and Simonson. 3,321,827.
Klinkenberg, Hubert E., and Simonson. 3,322,249.
Klinkenberg, Hubert E., and Simonson. 3,338,349.
Simonson, Le Roy W., to Warner Electric Brake & Clutch Co. Wear take-up device for magnetic friction couplings. 3,297,-122, 1–10–67, Cl. 192—111.
Simonton, James C. Adjustable vision and breeze barrier panel. 3,342,458, 9–19–67, Cl. 256—24.
Simonton, Robert D., to Union Carbide Corp. Grid like article and apparatus for and method of making same. 3,308,597, 3–14–67, Cl. 52—635.
Simonyan, Karabet, and G. E. Chilton, to Computer Diode Corp. Solid state temperature measuring device. 3,330,158, 7–11–67, Cl. 73—362.
Simonyan, Karabet, and H. Kim, to General Instrument Corp. Testing apparatus for a sequence of transistors and the like having a condition responsive marker. 3,344,351, 9–26–67, Cl. 324—158.
Simoons, John R. A., to Koninklijke Pharmaceutische Fabrieken v/h Brocades-Stheeman & Pharmacia, Pharmaceutical preparations. 3,322,633, 5–30–67, Cl. 167—82.
Simor, George G. Dispenser for flexible strips. 3,300,085, 1–24–67, Cl. 221—41.
Simpelaar, Clyde S., to Modine Mfg. Co. Heat exchanger and method of making same. 3,295,192, 1–3–67, Cl. 29—157.3.
Simpelaar, Clyde S., to Modine Mfg. Co. Bonding compositions. 3,301,688, 1–31–67, Cl. 106—1.
Simpkins, Alan B., and R. H. Hamilton, to Hewlett-Packard Co. Vibration detection. 3,308,424, 3–7–67, Cl. 340—16.
Simplex Level Co., Inc.: *See*—
Mericle, Boyd, Jr. 3,302,943.
Simplex Time Recorder Co.: *See*—
Kramer, Roger G., Hildum, and Bowin. 3,341,852.
Simplex Wire and Cable Co.: *See*—
Crowdes, George J., and Hunt. 3,349,832.
Davis, Claude G., Freeman, and Phelps. 3,328,874.

Simplex Wire and Cable Co.: *See*—Continued
Gnerre, C. Gerald, and Dinunzio. 3,351,706.
Gross, Richard E., and Hunt. 3,350,312.
Hunt, George H. 3,346,500.
Hutchins, Loren H., Jr. 3,339,012.
McNerney, Norman E. 3,345,453.
McNerney, Norman E. 3,346,690.

Simplicity Engineering Co.: *See*—
Behnke, George W., Westcott, and Wirth. 3,334,823.
Behnke, George W., and Wirth. 3,300,152.
Kittle, Walter R. 3,295,667.

Simplicity Mfg. Co.: *See*—
Kamlukin, Igor. 3,311,186.

Sim-pli-ci-ty Products Corp.: *See*—
Pope, Courtney C. 3,319,267.
Pope, Courtney C. 3,323,143.

Simplimatic Engineering Co.: *See*—
Englander, Robert A., and Messer. 3,325,131.

Simplomatic Mfg. Co.: *See*—
Cipolla, Peter L. 3,353,289.

Simpson, Albert E.: *See*—
Moulton, James A., and Simpson. 3,350,571.

Simpson, Billy D., to Phillips Petroleum Co. Preparation of alkyl amines. 3,299,142, 1–17–67, Cl. 260—585.

Simpson, Billy D., to Phillips Petroleum Co. Bis-(hydrocarbyloxycarbonylalkylthioalkyl) phenols. 3,321,508, 5–23–67, Cl. 260—470.

Simpson, Billy G., to Dow Corning Corp. Method for imparting a permanent crease to wool. 3,345,195, 10–3–67, Cl. 117—10.

Simpson, Bruce E., to Felker Mfg. Co. Masonry saw. 3,311,-103, 3–28–67, Cl. 125—13.

Simpson, Charles F., to Atlantic Richfield Co. Motor fuel blend containing hydrogenated heavy cracked naphtha. 3,330,758, 7–11–67, Cl. 208—17.

Simpson, Clarence E., to Universal Match Corporation. Explostive arming and firing system. 3,351,016, 11–7–67, Cl. 102—70.2.

Simpson, Donald C., and P. Ballots, to Nautilus Industries, Inc. Door hood arrangement. 3,322,111, 5–3–67, Cl. 126—21.

Simpson, Donald C., and P. Ballots, to Nautilus Industries, Inc. Retractable stove hood. 3,356,008, 12–5–67, Cl. 98—115.

Simpson, Donald C., and P. Ballots, to Nautilus Industries, Inc. Oven exhaust unit. 3,356,009, 12–5–67, Cl. 98—115.

Simpson, Donald L., to E. I. du Pont de Nemours and Co. Process for drying polymers. 3,307,271, 3–7–67, Cl. 34—32.

Simpson, Edward F. and F. W. Simpson, Jr. Pavement lifter. 3,349,933, 10–31–67, Cl. 214—145.

Simpson, Edward S. G.: *See*—
Osmond, Desmond W. J., Simpson, and Waghorn. 3,331,-801.

Simpson, Elizabeth A.: *See*—
Simpson, John A., and Soderquist. 3,316,661.

Simpson, Elliot W.: *See*—
Knowlson, Paul D., and Simpson, and Hull. 3,299,167.

Simpson, Frank F.: *See*—
Hansom, Bernard S., and Simpson. 3,349,482.

Simpson, Frank S., to Illinois Stoker Co. Refuse disposal. 3,318,270, 5–9–67, Cl. 110—7.

Simpson, Frank W., Jr.: *See*—
Simpson, Edward F. and F. W. Simpson, Jr. 3,349,933.

Simpson, George R., and E. Snitzer, to American Optical Co. Polarizing apparatus using inclined plates of laserable material. 3,311,846, 3–28–67, Cl. 331—94.5.

Simpson, Herbert, Corp.: *See*—
Kauffman, John H. 3,339,899.

Simpson, Howard W. Heavy duty planetary transmission. 3,319,491, 5–16–67, Cl. 74—740.

Simpson, Jack N., and W. R. Bohner, to The Electric Storage Battery Co. Attachment for mounting shield on safety cap. 3,332,086, 7–25–67, Cl. 2—8.

Simpson, James C., and H. G. Wells, to British Aircraft Corp. (Operating) Ltd. Control wire dispenser for a guided missile. 3,319,781, 5–16–67, Cl. 206—59.

Simpson, John A., and C. E. Soderquist, Jr., to E. A. Simpson. Variable constant-speed drive mechanism. 3,316,661, 5–2–67, Cl. 35—35.2.

Simpson, Justin, C. J. Chebuhar, and E. H. Reiher, to Continental Can Co., Inc. Method and machine for making tubular container bodies. 3,338,142, 8–29–67, Cl. 93—82.

Simpson, Justin E., E. Gilkeson, and J. S. Bozek, to Continental Can Co., Inc. Plastic bottle molding machine. 3,310,-834, 3–28–67, Cl. 18—5.

Simpson, Lewis E.: *See*—
Karow, William E., and Simpson. 3,312,143.

Simpson, Lewis E., and W. E. Karow. Illumination control. 3,344,704, 10–3–67, Cl. 88—24.

Simpson, Ralph E.: *See*—
Nichols, William A., and Simpson. 3,311,317.

Simpson, Richard H., Jr., to General Motors Corp. Arcuately indexable rotary drive connector. 3,335,580, 8–15–67, Cl. 64—24.

Simpson, Richard W., to V-M Corp. Adapter spindle for record changers. 3,301,563, 1–31–67, Cl. 274—10.

Simpson, Robert C. H. Printer ticket scanning apparatus. 3,318,480, 5–9–67, Cl. 222—30.

Simpson, S., Ltd.: *See*—
Mengers, John P. N. 3,295,144.

Simpson, Sherwood L., and F. W. Leach, to American Home Products Corp. Swinging door hinge unit. 3,328,832, 7–4–67, Cl. 16—131.

Simpson, Theodore B., and F. W. Evans, to Hooker Chemical Corp. Fluorination of 2,2,3,3-tetrachlorohexafluorobutane. 3,328,475, 6–27–67, Cl. 260—653.3.

Simpson Timber Co.: *See*—
Clausen, Victor H., and Zweig. 3,334,891.
Clausen, Victor H., and Zweig. 3,355,168.
Vonhof, Herbert. 3,299,922.

Simpson, Verne G., to General Electric Co. Rapid curing adhesive composition for bonding silicone rubber to metallic surfaces. 3,318,717, 5–9–67, Cl. 106—287.

Simpson, Verne G., to General Electric Co. Elastomeric organopolysiloxane compositions containing unsaturated alkoxy silanes. 3,341,489, 9–12–67, Cl. 260—37.

Simpson, Victor R.: *See*—
Burns, Robert C., Hasegawa, and Simpson. 3,318,429.
Burns, Robert C., Hasegawa, and Simpson. 3,322,253.
Reed, David W., Simpson, and Zolnosky. 3,355,001.

Simpson, Victor R., to International Business Machines Corp. Lubrication of print wires. 3,302,557, 2–7–67, Cl. 101—1.

Simpson, Walter W.: *See*—
Stewart, Frederick G., and Simpson. 3,344,935.

Simpson, Warren C.: *See*—
Sawyer, Webster M., Jr., and Simpson. 3,328,326.
Sommer, Harry J., and Simpson. 3,324,041.

Simpson, Winea J. Visual acuity testing apparatus with test characters representing stylized human hand. 3,355,237, 11–28–67, Cl. 351—37.

Sims, Antonina. Combination credenza and table. 3,340,827, 9–12–67, Cl. 108—77.

Sims, Chester T.: *See*—
Foster, Allan D., and Sims. 3,346,378.

Sims, Claude C. Piezoelectric voice range transducer. 3,320,-581, 5–16–67, Cl. 340—10.

Sims, Claude C., to United States of America, Navy. Extended frequency range pressure balanced hydrophone. 3,328,752, 6–27–67, Cl. 340—10.

Sims, Colin B., Sr. Fruit gathering machine. 3,356,196, 12–5–67, Cl. 193—7.

Sims, David E., ½ to J. E. Smith, and ½ to E. E. Williams. Apparatus providing A-M radio reception of F-M. 3,360,730, 12–26–67, Cl. 325—315.

Sims, Donald E., to International Business Machines Corp. Data recording and printing apparatus capable of responding to changed format. 3,297,124, 1–10–67, Cl. 197—19.

Sims, George E., to Elliott Brothers (London) Ltd. Aircraft track holding systems. 3,358,948. 12–19–67, Cl. 244—77.

Sims, Glenn E.: *See*—
Lee, Paul L., and Sims. 3,351,585.

Sims, Homer J., to Rohm & Haas Co. O-alkyl, O-phenyl or O-cresyl aminomethane phosphonic acids. 3,316,331, 4–25–67, Cl. 260—944.

Sims, Homer J., and H. J. White, to Rohm & Haas Co. Fuel compositions. 3,305,329, 2–21–67, Cl. 44—63.

Sims, James G., and G. W. Sovereign, to Monsanto Co. Flocked hollow filaments. 3,329,553, 7–4–67, Cl. 161—64.

Sims, James R.: *See*—
Kaufman, Martin H., Stull, and Sims. 3,331,203.

Sims, James S., Jr.: *See*—
Fortmann, William E., Stearns, and Sims. 3,306,037.

Sims, John C., Jr., to Anelex Corp. Phase modulated binary magnetic recording and reproducing system. 3,299,414, 1–17–67, Cl. 340—174.1.

Sims, John C., Jr., to Anelex Corp. Print drum type matrix and sequential line printing control. 3,322,064, 5–30–67, Cl. 101—93.

Sims, John C., Jr., to Anelex Corp. Reproducing system for phase modulated magnetically recorded data. 3,323,115, 5–30–67, Cl. 340—174.1.

Sims, John C., Jr., to Anelex Corp. Selective hammer interposing means in high speed printers. 3,332,343, 7–25–67, Cl. 101—93.

Sims, John C., Jr., to Anelex Corp. Stored data protection system. 3,340,539, 9–5–67, Cl. 346—74.

Sims, Leland W., and R. W. Fredette, to United States of America, Air Force. High speed deceleration device. 3,350,-040, 10–31–67, Cl. 244—145.

Sims, Marion W., to General Electric Co. Method for altering the overall configuration of electrical coils wound from a number of conductor turns. 3,333,335, 8–1–67, Cl. 29—606.

Sims, Norman D.: *See*—
Bynum, George D., and Sims. 3,309,734.

Sims, Robert W., to Monsanto Co. Gas-liquid separator. 3,339,350, 9–5–67, Cl. 55—320.

Sims, Robert Y., and A. I. Bottner, to International Telephone and Telegraph Corp. Telephone equipment housing. 3,309,576, 3–14–67, Cl. 317—99.

Sims, Willard M.: *See*—
Aelion, Rene, Eirich, and Sims. 3,337,648.
Grillo, Gerald J., Aelion, and Sims. 3,325,561.
Honn, Francis J., and Sims. 3,318,854.

Simshauser, Herbert H. Machine for crushing cans, bottles and the like. 3,315,594, 4–25–67, Cl. 100—52.

Simson, Johann P.: *See*—
Jakob, Franz, and Simson. 3,356,856.

Sinaiko, Edwin S. Method of and means for diagnosis of ingested drugs with radio-opaque and other indicators. 3,341,-417, 9–12–67, Cl. 167—84.5.

Sinatra, Charles E., and W. Tanski, Jr., to Star Dental Mfg. Co., Inc. Finger control for dental handpiece. 3,346,958, 10–17–67, Cl. 32—28.

Sincavage, Joseph T., and G. Suranyi, to FMC Corp. Urea formaldehyde-alpha cellulose-dimethyl siloxane polymer-molding compositions and method of manufacture. 3,336,-248, 8–15–67, Cl. 260—17.3.

Sincius, Joseph A.: *See—*
Cohen, Abraham B., and Sincius. 3,345,164.

Sinclair, Alan G.: *See—*
Sharples, Kenneth, and Sinclair. 3,313,614.

Sinclair, Alfred G., to Johns-Manville Corp. Method and apparatus for forming mineral wool products. 3,331,669, 7–18–67, Cl. 65—4.

Sinclair, Carter, to General Electric Co. Deenergizing circuit. 3,340,407, 9–5–67, Cl. 307—101.

Sinclair, Gabriel J., to Interchemical Corp. Flexographic inks containing soluble dyes. 3,353,972, 11–21–67, Cl. 106—22.

Sinclair, Gordon D., and H. R. Sallans, to National Research Council. Process for sizing shaped fibrous articles with powdered fatty acids of 18 to 24 C atoms. 3,306,812, 2–28–67, Cl. 162—165.

Sinclair, Harold: *See—*
Clements, Herbert A., and Sinclair. 3,326,056.
Clements, Herbert A., and Sinclair. 3,333,663.

Sinclair, Harold K., to E. I. du Pont de Nemours and Co. Process for preparing aqueous polyvinyl alcohol solution containing pentavalent vanadium compound. 3,298,988, 1–17–67, Cl. 260—29.6.

Sinclair, James A., and R. A. Fair, to Mobil Oil Corp. Hydrate prevention in gas production. 3,348,614, 10–24–67, Cl. 166—45.

Sinclair, John R., to E. I. du Pont de Nemours and Co. Alloy diffusion process. 3,342,628, 9–19–67, Cl. 117—114.

Sinclair, Lorne R. Folding crate. 3,333,720, 8–1–67, Cl. 217—15.

Sinclair, Malcolm D., and A. S. Fraser. Illuminated safety helmet. 3,358,137, 12–12–67, Cl. 240—60.

Sinclair Oil & Gas Co.: *See—*
Holbert, Don R., and Grant. 3,349,845.

Sinclair, Raymond J.: *See—*
Lucia, Carroll J., and Sinclair. 3,320,111.

Sinclair Research, Inc.: *See—*
Blank, Winfield B., Jr. 3,324,389.
Boys, Fay L. 3,336,792.
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Sjölin, Carl-Gustav, to Aktiebolaget Bofors. Method of and device for measuring the wear in a gun barrel. 3,327,518, 6–27–67, Cl. 73—7.

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Skains, Thurman Q. Irrigation pipe supporting carriage. 3,339,576, 9–5–67, Cl. 137—344.

Skala, Stephen F., to Western Electric Co., Inc. Process of detecting the relative elongation of two filaments by stimulated emission of secondary radiation. 3,320,416, 5–16–67, Cl. 250—51.5.

Skaletzky, Louis L., to The Upjohn Co. 3a and 5a tertiaryamino cycloalkylene of 5 to 7 [a] benzofuranols. 3,317,527, 5–2–67, Cl. 260—247.7.

Skaletzky, Louis L., to The Upjohn Co. 2-amino-2,3-dihydro-3-substituted-naphtho[1,2-b]furan-5-ols. 3,337,563, 8–22–67, Cl. 260—294.7.

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Schecter, Donald, and Skalka. 3,341,266.

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Skatsche, Othmar, to H. List. Cylinder head of an internal combustion engine comprising two intake and two exhaust valves for each cylinder. 3,331,359, 7–18–67, Cl. 123—75.

Skattebol, Lars, to Union Carbide Corp. Preparation of olefinic compounds and derivatives thereof. 3,333,012, 7–25–67, Cl. 260—666.

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Magne, Frank C., Mod, and Skau. 3,340,218.
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Skau, Evald L., R. R. Mod, and F. C. Magne, to United States of America, Agriculture. N-oleoyl-4-(3-acetoxypropyl) piperidine. 3,297,703, 1–10–67, Cl. 260—294.3.

Skau, Evald L., R. R. Mod, and F. C. Magne, to United States of America, Agriculture. N-acyl derivatives of cyclic imines. 3,300,434, 1–24–67, Cl. 260—30.2.
Skau, Evald L., R. M. Mod, and F. C. Magne, to United States of America, Agriculture. N-acyl derivatives of cyclic imines as polyvinyl chloride polymer plasticizers. 3,309,332, 3–14–67, Cl. 260—30.2.
Skau, Evald L., R. R. Mod, and F. C. Magne, to United States of America, Agriculture. Ethyl 2,2-dimethyl-3-(4-n-nonylpiperidino) carbonyl cyclobutano acetate. 3,322,777, 5–30–67, Cl. 260—294.3.
Skau, Evald L., R. R. Mod, and F. C. Magne, to United States of America, Agriculture. N-oleoyl-1,2,3,4-tetrahydroquinoline. 3,332,954, 7–25–67, Cl. 260—287.
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Skinner, Clayton H., and P. Kolarik, to Hewitt-Robins Inc. Float for submarine hose system. 3,332,093, 7–25–67, Cl. 9—8.
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Skirvin, Enoch, W. and P. G. 3,350,116.
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Skoog, Karl I. L., to Aktiebolaget Gylling & Co. Amplifier with two channels for two way speech connection. 3,324,-256, 6–6–67, Cl. 179—170.
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Skov, Erling P., to Ampex Corp. Magnetic reproduce head using negative feedback to obtain maximum-band response. 3,310,637, 3–21–67, Cl. 179—100.2.
Skov, Erling P., to Ampex Corp. Oscillator-amplifier circuit utilizing recording amplifier for high frequency recording bias supply. 3,324,250, 6–6–67, Cl. 179—100.2.
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Skreckoski, Gerald R., to Allied Chemical Corp. Gloss retaining urethane coating composition. 3,346,524, 10–10–67, Cl. 260—22.
Skreckoski, Gerald R., to Allied Chemical Corp. Catalyzed storage-stable quick drying coating composition containing polyurethane-polyisocyanate film former. 3,351,573, 11–7–67, Cl. 260—18.
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Slade, Albert E., and C. R. Smallman, to Arthur D. Little, Inc. Method of treating reflective surfaces to make them multihued and resulting product. 3,338,730, 8–29–67, Cl. 117—8.
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Slater, Raymond L., and W. F. Fisher, to Clevite Corp. Method of making bimetallic bearing material. 3,300,838, 1–31–67, Cl. 29—149.5.
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Slater, Saul I., to Slater Electric, Inc. Continuously variable dimmer switch. 3,328,676, 6–27–67, Cl. 323—22.
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Slatin, Harvey L., to Timax Associates. Electrolytic production of tungsten and molybdenum. 3,297,553, 1–10–67, Cl. 204—64.
Slatin, Harvey L., to Timax Associates. Electrolytic production of tungsten and molybdenum. 3,297,554, 1–10–67, Cl. 204—64.
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Slaugh, Lynn H., to Shell Oil Co. Cyclohexene production. 3,321,539, 5–23–67, Cl. 260—666.
Slaugh, Lynn H., to Shell Oil Co. Hydrodimerization of benzene. 3,347,945, 10–17–67, Cl. 260—668.
Slaughter, Abe A. Unsinkable boat. 3,304,905, 2–21–67, Cl. 115—19.
Slaughter, Clarence S. Fluid particle coupling. 3,305,055, 2–21–67, Cl. 192—21.5.
Slaughter, William L., to The Crane & Breed Casket Co. Casket seal. 3,327,429, 6–27–67, Cl. 49—485.
Slaughter, William L., to The Crane & Breed Casket Co. Casket top and method of manufacture. 3,354,524, 11–28–67, Cl. 27—17.
Slaughter, William M. Submersible pump adapter. 3,303,795, 2–14–67, Cl. 103—202.
Slauson, William C.: *See*—
Peek, Robert L., Jr., and Slauson. 3,325,755.
Slavick, Nicholas A. Contour garment. 3,329,966, 7–11–67, Cl. 2—2.1.
Slavik, William H., to Motorola, Inc. Dynamic pincushion distortion correction for television receivers. 3,302,055, 1–31–67, Cl. 315—24.
Slavik, William H., to Motorola, Inc. Vertical dynamic pincushion correction circuits for television receivers. 3,320,469, 5–16–67, Cl. 315—24.
Slavik, William H., to Motorola, Inc. Horizontal scan width and high voltage regulation circuit for television receivers. 3,359,453, 12–19–67, Cl. 315—27.
Slavin, Michael: *See*—
Laurent, Harold J., Slavin, and Pelletier. 3,331,128.
Weaver, Richard D., Miller, and Slavin. 3,315,730.
Slavin, Michael, and C. A. B. Carvalho, to The Bendix Corp. Reflex amplifier circuit which effectively eliminates audio feedthrough. 3,316,489, 4–25–67, Cl. 325—486.
Slavin, Michael, and G. B. Morris, Jr. Variable speed control for a DC motor. 3,345,551, 10–3–67, Cl. 318—345.
Slavin, Peter E. to Intelligent Instruments, Inc. Logarithmic computer. 3,327,100, 6–20–67, Cl. 235—150.53.
Slavin, Peter E., to Intelligent Instruments, Inc. Mount for electronic tubes. 3,353,069, 11–14–67, Cl. 317—101.
Slawinski, Richard C., and W. Meyer, to Wheaton Brass Works. Coupling valve. 3,330,299, 7–11–67, Cl. 137—614.
Slawinski, Richard C., and W. Meyer, to Wheaton Brass Works. Hydraulic emergency valve. 3,332,660, 7–25–67, Cl. 251—14.
Slay, Buford G., Jr.: *See*—
Carbajal, Bernard G. III, and Slay. 3,318,790.
Carbajal, Bernard G., III, and Slay. 3,344,055.
Slaybaugh, Lyle, to Kellogg Co. Apparatus for the production of food product. 3,315,619, 4–25–67, Cl. 107—69.
Slayton, Wayland F. Self-adjusting and locking wrench. 3,354,758, 11–28–67, Cl. 81—126.
Slazas, John J.: *See*—
Whisler, Paul A., and Slazas. 3,328,090.
Slechta, Henry C.: *See*—
Hannis, Eugene S., and Slechta. 3,323,704.
Slee, Max E. Primer reloader. 3,349,663, 10–31–67, Cl. 86—38.
Sleeman, William C., Jr.: *See*—
Rogallo, Francis M., and Sleeman. 3,310,261.
Sleeper, George B., Jr., to Technical Appliance Corp. Multimode broad-band selective coupler. 3,327,250, 6–20–67, Cl. 333—21.
Sleeper, George B., Jr., to Technical Appliance Corp. Directional radio and tracking systems. 3,343,165, 9–19–67, Cl. 343—16.
Sleeper and Hartley, Inc.: *See*—
Halvorsen, Elmer W., and Russell. 3,351,101.
Sleeper, Ralph R., Jr. Corner plaster bead applicator. 3,319,953, 5–16–67, Cl. 269—19.
Sleeter, Edward B., to Marathon Electric Mfg. Corp. Electric motor for pedestal type sump pumps. 3,324,319, 6–6–67, Cl. 310—68.
Sleighter, George E.: *See*—
Chisholm, Raymond S., Sleighter, and Ernsberger. 3,356,477.
Fredley, James C., and Sleighter. 3,332,761.
Fredley, James C., and Sleighter. 3,342,573.
Slemmons, Arthur J., to FMC Corp. Apparatus for propelling buoyant vehicles. 3,310,020, 3–21–67, Cl. 115—1.
Slemmons, Charles O.: *See*—
Peck, Richard O., and Slemmons. 3,298,762.
Slesaczek, Alfred: *See*—
Bartu, Franz, and Slesaczek. 3,321,301.
Sletback, Jarle, L. G. Virsberg, and N. Hylten-Cavallius, to Allmanna Svenska Elektriska Aktiebolaget. Device for transforming a first alternating voltage of a certain frequency to a second voltage of another frequency. 3,358,213, 12–12–67, Cl. 321—50.
Sletbak, Jarle, G. Nilsson, and L. Virsberg, to Allmanna Svenska Elektriska Aktiebolaget. Frequency changer with a plurality of transformers and a synchronously rotating means. 3,359,482, 12–19–67, Cl. 321—70.
Sletzinger, Meyer: *See*—
Gal, George, and Sletzinger. 3,299,080.
Gal, George, and Sletzinger. 3,320,280.
Reinhold, Donald F., and Sletzinger. 3,344,023.
Sletzinger, Meyer, to Merck & Co., Inc. Novel 6-fluoro-Δ^6-steroids and processes. 3,359,288, 12–19–67, Cl. 260—397.45.
Sletzinger, Meyer, W. A. Gaines, and V. J. Grenda, to Merck & Co., Inc. Chemical processes for preparing N-substituted amidines. 3,299,081, 1–17–67, Cl. 260—302.
Sletzinger, Meyer, and R. A. Firestone, to Merck & Co., Inc. 3-Indolyl aliphatic acids. 3,322,786, 5–30–67, Cl. 260—326.12.
Sletzinger, Meyer, G. Gal, and E. J. Glamkowski, to Merck & Co., Inc. Alpha-hydrazino-beta-(3-indolyl) alkanoic acid derivatives. 3,322,787, 5–30–67, Cl. 260—326.14.
Sletzinger, Meyer, and D. F. Reinhold, to Merck & Co., Inc. 6a,16a-Dialkyl steroids and intermediates. 3,347,881, 10–17–67, Cl. 260—397.47.
Sletzinger, Meyer, R. A. Firestone, and D. F. Reinhold, to Merck & Co., Inc. 2-substituted-2-aminoethyl-3-substituted phenylalanine. 3,347,905, 10–17–67, Cl. 260—471.
Slicer, Allan E.: *See*—
Jorgensen, George N., Vincent, and Slicer. 3,339,038.
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Stewart, Duncan J., Lilja, and Slichter. 3,300,860.
Slick Industrial Co.: *See*—
Gallagher, John E., Crider, and McCulloch. 3,348,604.
Slicker, Robert P., E. C. Held, Jr., J. L. Rakes, to Phillips Petroleum Co. Molding using a material yielding an inert atmosphere in mold. 3,329,751, 7–4–67, Cl. 264—85.
Slifer, William M., Jr. Method and apparatus for locating and visually indicating the position of a vehicle. 3,357,020, 12–5–67, Cl. 343—100.
Sligchers, Gulillaume A. T.: *See*—
Van Westerveld, Jan, and Sligchers. 3,346,567.
Sliker, Lawrence S., to International Scanning Devices Ltd. Scanning device. 3,337,683, 8–22–67, Cl. 178—5.4.
Slikon Corp.: *See*—
Bonis, Laszlo J. 3,360,366.
Sliman, Michael T. Curler bonnet. 3,320,682, 5–23–67, Cl. 34—95.
Slimovitz, Morris L. Feel glove with flap holddown. 3,299,441, 1–24–67, Cl. 2—158.
Slinkard, James E., to R. E. Breidenthal. Electric cord reel apparatus. 3,346,705, 10–10–67, Cl. 191—12.4.
Slip International Ltd.: *See*—
Tacchi, Percy G. 3,356,101.
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Slipp, Roy M. Method of manufacturing plastic products. 3,320,344, 5–16–67, Cl. 264—219.
Slisz, Roger T., and H. L. Seiden, to Linn Mfg. Corp. Step-multiplying ratchet wheel drive. 3,303,709, 2–14–67, Cl. 74—142.
Slivinsky, Cornell J., and S. Steed, to Parsons Corp. Helicopter spar having integral mass and stiffness control provisions. 3,310,117, 3–21–67, Cl. 170—159.
Slivoski, Wallace R., 50% to S. Solomon, and 25% to F. Palette. Mattress extension. 3,327,328, 6–27–67, Cl. 5—317.
Sloan, Charles S. Indicator lamp. 3,300,638, 1–24–67, Cl. 240—8.16.
Sloan, Charles W., and J. D. Orr. Occupant-propelled amusement vehicle. 3,304,098, 2–14–67, Cl. 280—221.
Sloan, Donald A.: *See*—
King, James F., Jr., and Sloan. 3,321,896.
Sloan, Donald D. Dennison Mfg. Co. Apparatus for developing electrostatic images. 3,356,072, 12–5–67, Cl. 118—637.
Sloan, Douglas M., and A. Tunner, to Canadian Industries Ltd. Apparatus for making gusseted plastic bags. 3,321,354, 5–23–67, Cl. 156—499.
Sloan, Flora M. and H. J. Electrically heated ice cream scoop. 3,304,890, 2–21–67, Cl. 107—48.
Sloan, Harriet L. Accessories for hairdos and articles of apparel. 3,357,070, 12–12–67, Cl. 24—255.
Sloan, Haskell F.: *See*—
Breternitz, Charles, Dale, and Sloan. 3,319,767.
Sloan, Howard J.: *See*—
Sloan, Flora M. and H. J. 3,304,890.
Sloan, Kenneth T.: *See*—
Yakimik, Harry, Jr., and Sloan. 3,300,535.
Sloan, Louis, N. J. Nitti, and J. B. Pratt, to Crane Co. Method and apparatus for fluid treatment. 3,306,859, 2–28–67, Cl. 252—387.
Sloan, Louise M. Brush. 3,355,759, 12–5–67, Cl. 15—206.
Sloan, Rollin J., and G. J. McCulloch, to Trak Microwave Corp. Direction finding system for hunting dogs. 3,336,530, 8–15–67, Cl. 325—29.
Sloan, Thomas F.: *See*—
Dreksler, Moshe Y., and Sloan. 3,299,659.
Sloan Valve Co.: *See*—
Billeter, Henry R. 3,324,977.
Billeter, Henry R. 3,326,334.
Billeter, Henry R. 3,326,335.
Billeter, Henry R. 3,337,011.
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Cooper, Albert S., Jr., Murphy, and Sloan. 3,356,446.
Slocombe, Robert J., to Monsanto Co. Vinyl chloride interpolymers and process. 3,356,637, 12–5–67, Cl. 260—33.6.
Slocombe, Robert J., I. O. Salyer, and S. Newman, to Monsanto Co. Process of crystallizing isotactic polystyrene. 3,346,528, 10–10–67, Cl. 260—30.6.

Sloley, Herbert J.: *See*—
Woodhead, Harry S., Sloley, and Waugh. 3,329,914.
Slominski, Leo J., to MacDermid Inc. Composition for and method of dissolving copper and copper alloys by chemical action. 3,322,673, 5–30–67, Cl. 252—79.2.
Slominski, Walter V., to Hoover Ball and Bearing Co. Spring assembly with independent coil spring unit. 3,334,887, 8–8–67, Cl. 267—110.
Slominski, Walter V., to Hoover Ball and Bearing Co. Seat spring assembly utilizing auxiliary coil spring. 3,357,695, 12–12–67, Cl. 267—110.
Slomski, Edward J. Seam release container. 3,330,436, 7–11–67, Cl. 220—53.
Slonczewski, Thaddeus, to Bell Telephone Laboratories, Inc. Equipment for and method of retrieving underwater cable. 3,319,426, 5–16–67, Cl. 61—72.3.
Slone, Thomas J., to American Instrument Co., Inc. Control circuit for an adsorption or desorption system. 3,295,720, 1–3–67, Cl. 222—3.
Sloneker, James H., to United States of America, Agriculture. Picrate process for determining quaternary ammonium content of microbial polysaccharides. 3,314,765, 4–18–67, Cl. 23—230.
Slonneger, John L., to General Electric Co. Condition responsive electric switch mechanism. 3,304,395, 2–14–67, Cl. 200—140.
Slonneger, John L., to General Electric Co. Condition responsive electric switch mechanism. 3,354,280, 11–21–67, Cl. 200—140.
Sloop, Clifford E. Meter box assembly with cover seal and inner seal. 3,307,081, 2–28–67, Cl. 317—107.
Slopalik, Claus: *See*—
Schultheis, Heinz, Nordt, Slopalik, and Delfs. 3,326,965.
Sloper, David K.: *See*—
Borck, Walter C., Jr., and Sloper. 3,308,436.
Sloper, Leonard, and P. Rezner, to American Flange & Mfg. Co., Inc. Vent end closure cap assembly. 3,302,816, 2–7–67, Cl. 220—31.
Slosberg, David K., to American Biltrite Rubber Co., Inc. Vinyl-acrylic floor covering and process. 3,310,619, 3–21–67, Cl. 264—77.
Slosberg, David K., to Bonafide Mills, Inc. Plastic floor covering. 3,322,872, 5–30–67, Cl. 264—115.
Slott, Robert S., to Shell Oil Co. Separation process. 3,352,-936, 11–14–67, Cl. 260—677.
Slough, Carlton M., to Texaco Experiment Inc. Electric initiator. 3,302,571, 2–7–67, Cl. 102—70.2.
Sloughter, William J., to Schlumberger Technology Corp. Electromagnetic well logging systems with means for modulating the detected signals. 3,328,679, 6–27–67, Cl. 324—6.
Sloughter, William J., to Schlumberger Technology Corp. Well logging telemetry system including depth synchronizing a remote recorder and error detection of the transmitted data. 3,356,990, 12–5–67, Cl. 340—18.
Slover, James W.: *See*—
Payton, Edwin M., and Slover. 3,303,123.
Slovinsky, Manuel, to Celanese Corp. Polyethers and methods of making same. 3,313,846, 4–11–67, Cl. 260—484.
Sloyan, Jerome J. Machinery supports with slidable carriage. 3,328,093, 6–27–67, Cl. 308—6.
Sluse, Peter A. Support fixture for automobile components. 3,338,556, 8–29–67, Cl. 254—134.
Slusher, William E., and S. Karandanis, to Transitron Electronic Corp. Semi-conductor amplifying device. 3,300,-658, 1–24–67, Cl. 307—88.5.
Slusser, Benjamin I., to Hurr-I-Cane Awning Shutter Co., Inc. Water seal for roof construction. 3,352,077, 11–14–67, Cl. 52—469.
Slusser, Marion L., to Mobil Oil Corp. Thermal notching technique. 3,303,883, 2–14–67, Cl. 166—39.
Slusser, Marion L., to Mobil Oil Corp. Method for in situ retorting of oil shale employing artificial barriers. 3,331,438, 7–18–67, Cl. 166—29.
Slusser, Marion L., to Mobil Oil Corp. Method and structure for retorting oil shale in situ by cycling fluid flows. 3,346,-044, 10–10–67, Cl. 166—2.
Slusser, Marion L., and C. Connally, Jr., to Mobil Oil Corp. Method for improving fluid recoveries from earthen formations. 3,302,707, 2–7–67, Cl. 166—4.
Slutsky, Abraham. Taxi meters and a control system for taxi meters. 3,325,097, 6–13–67, Cl. 235—30.
Slykhouse, Thomas E., to The Dow Chemical Co. Water resistant inorganic nitrate based explosive composition. 3,326,734, 6–20–67, Cl. 149—41.
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Smai, Franco: *See*—
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Smale, Charles H., to General Motors Corp. Two-way valve. 3,320,976, 5–23–67, Cl. 137—625.44.
Smale, Charles H., to General Motors Corp. Air by-pass arrangement operated by differential air pressure. 3,353,-551, 11–21–67, Cl. 137—114.
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Small, Augustus B.: *See*—
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Forman, Charles D., and Small. 3,341,049.
Forman, Charles D., and Small. 3,341,051.
Forman, Charles D., and Small. 3,347,402.
Gorman, Paul T., and Small. 3,315,628.
Small, Augustus B., to Esso Research and Engineering Co. Liquid supported cryogenic container. 3,319,430, 5–16–67, Cl. 62—45.
Small Business Administration: *See*—
Godwin, George A. 3,335,235.
Kimes, Howard A. 3,309,132.
MacLeod, Norman M. 3,332,818.
Small Business Assistance Corp. of Panama City: *See*—
Thomas, Gerald I. 3,342,508.
Small, Charles B., J. W. Meese, and H. H. Frank, to The Ridge Tool Co. Method of cutting pipes. 3,307,760, 3–7–67, Cl. 225—1.
Small, Charles L., to Hendrickson Mfg. Co. Vehicle axle suspension. 3,315,977, 4–25–67, Cl. 280—104.5.
Small, Charles L., to Hendrickson Mfg. Co. Shear spring suspension. 3,356,385, 12–5–67, Cl. 280—104.5.
Small, Dale R.: *See*—
O'Connor, Thomas J. 3,316,649.
Small, Donald E. Renewable face hammer. 3,322,172, 5–30–67, Cl. 145—36.
Small, Edward F. Fishing reel. 3,298,629, 1–17–67, Cl. 242—84.2.
Small, Frederick B.: *See*—
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Robertson, Charles A., and Small. 3,353,013.
Small, George R.: *See*—
Beck, William E., and Small. 3,359,359.
Small, Guy W. Machine for pre-nailing and pre-tacking carpet strips. 3,306,511, 2–28–67, Cl. 227—103.
Small, Hamish, to The Dow Chemical Co. Method of separation of lower alkyl mono- and dialcohols, acetone and methylethylketone, and ethylamine and butyl amine with novel ion exchange. 3,315,002, 4–18–67, Cl. 260—637.
Small, Hamish, to The Dow Chemical Co. Preparation of chelate cation-exchange resins. 3,337,480, 8–22–67, Cl. 260—2.2.
Small, John H.: *See*—
Rosenberger, Harold E., Seidenberg, and Small. 3,360,327.
Small, Leslie C., Jr., to United Aircraft Corp. Liquid supply to a rotating shaft. 3,337,186, 8–22–67, Cl. 253—39.15.
Small Lot Stamping Co.: *See*—
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Small, Norman J. H.: *See*—
Müller, Ernst W., and Small. 3,326,992.
Small, Percy A.: *See*—
Edwards, John W., Sherratt, and Small. 3,308,174.
Small, Samuel N., to A. G. Cohen, and P. Weiss. Umbrella rib clip. 3,354,516, 11–28–67, Cl. 24—81.
Small, William A., to Mallinckrodt Chemical Works. Process for controlling spring dead spot on grass. 3,323,985, 6–6–67, Cl. 167—22.
Smalley, Harvey D. Disposable center feed ink fountain. 3,326,123, 6–20–67, Cl. 101—365.
Smalley, Ned J., to Owens-Illinois Inc. Liquid dispenser having a supply container delivering to a receiving chamber. 3,298,573, 1–17–67, Cl. 222—207.
Smalley, Richard (Engineering) Ltd.: *See*—
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Smallman, Carl R.: *See*—
Slade, Albert E., and Smallman. 3,338,730.
Smallwood, Harold T., and S. Tryon, to FMC Corp. Stabilized polypropylene containing a nickel of cobalt phenol-phenolate of a 2,2'-dihydroxy-4-alkoxybenzophenone. 3,296,191, 1–3–67, Cl. 260—45.75.
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Bruce, George B., and Smalstig. 3,352,159.
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Knittel, Richard R., and Smarook. 3,337,039.
Smart, Charles L.: *See*—
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Roberts, William J., Smart, and Di Pietro. 3,337,615.
Smart, Daniel H.: *See*—
Palmer, Leonard S., and Smart. 3,341,652.
Smart, E. Allen, and T. G. Daher, to General Electric Co. Electric warming tray. 3,335,262, 8–8–67, Cl. 219—474.
Smart, Lee W., to Westinghouse Electric Corp. Semiconductor devices capable of supporting large reverse voltages. 3,335,-296, 8–8–67, Cl. 307—88.5.
Smart, Louis L. Golf course. 3,350,099, 10–31–67, Cl. 273—176.
Smart, Richard: *See*—
Kealy, Wellesley A., Smart, and Duncombe. 3,296,864.
Smart, William D.: *See*—
Woroch, Eugene L., and Smart. 3,348,999.
Smathers, Donald L.: *See*—
Gerjovich, Henry J., and Smathers. 3,337,631.
Smedstam, John A.: *See*—
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Gerhart, Walter G., and Smee. 3,310,143.
Smeitink, Albertus: *See*—
Schiller, James R., Pohl, and Smeitink. 3,346,964.
Smelcer, Glen E., to International Harvester Co. Drive wheel mounting including releasable clamping axle connection 3,302,959, 2–7–67, Cl. 287—52.61.

Smelts, Gerard G. F., to Pierce-All Mfg. Ltd. Punch assembly. 3,335,627, 8–15–67, Cl. 83—140.
Smeltzer, Jack C., to The Bunker-Ramo Corp. Memory transfer apparatus. 3,341,817, 9–12–67, Cl. 340—172.5.
Smeltzer, Jack C., to The Bunker-Ramo Corp. Digital computer system. 3,346,852, 10–10–67, Cl. 340—172.5.
Smeralovy Zavody, narodni podnik: *See*—
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Holub, Jiri. 3,318,132.
Pavlovec, Oldrich. 3,349,596.
Smerdon, William S., to Ferranti, Ltd. Aircraft bombsights. 3,339,456, 9–5–67, Cl. 89—1.5.
Smeton, Robert L. Hypodermic syringes and attachments thereto pleasing to children. 3,299,891, 1–24–67, Cl. 128—218.
Smets, Georges J. G., and J. P. Bex, to W. R. Grace & Co. Electrolytic process for graft polymerization. 3,330,745, 7–11–67, Cl. 204—59.
Smeulers, Wouter, to North American Phillips Co., Inc. Circuit for controlling the oscillation frequency of transistorized sawtooth oscillators. 3,311,847, 3–28–67, Cl. 331—111.
Smeulers, Wouter, to North American Phillips Co., Inc. Relaxation oscillator having combined direct and indirect synchronization. 3,359,505, 12–19–67, Cl. 331—10.
Smida, Luverne R., to Wilcox Mfg. Co. Onion trimming machine. 3,298,412, 1–17–67, Cl. 146—83.
Smidth, F. L., & Co.: *See*—
Albertus, Gundorph. 3,330,046.
Anderson, Axel B. 3,300,199.
Christensen, Erik C. P. 3,350,077.
Dostrup, Max. 3,350,070.
Hansen, Eyvind K. 3,353,952.
Husbjerg, Johannes P. 3,358,426.
Jensen, Flemming E. 3,358,977.
Knudsen, Poul A. 3,329,353.
Rasmussen, Frits. 3,343,800.
Smlerciak, Walter, to Wilton Corp. Clamping means having hydraulic power assisting devices. 3,348,836, 10–24–67, Cl. 269—25.
Smiles, Robert E.: *See*—
Dame, Charles, Jr., and Smiles. 3,314,803.
Smiley, Edwin C.: *See*—
Gustafson, Ralph P., and Smiley. 3,349,808.
Smiley, Eldridge H.: *See*—
Storm, Frederick K., Jr., and Smiley. 3,348,254.
Smiley, Harry J., and H. F. Nowicki, to Burlington Industries, Inc. Pile fabric with integrally formed twist. 3,298,-342, 1–17–67, Cl. 112—410.
Smiley, James I., Jr., to E. I. du Pont de Nemours and Co. Apparatus and process for continuously winding yarn. 3,342,428, 9–19–67, Cl. 242—18.
Smiley, James M. Gear operated wrench. 3,306,140, 2–28–67, Cl. 81—56.
Smiley, Karl L., to United States of America, Agriculture. Process for obtaining amyloglucosidase. 3,301,768, 1–31–67, Cl. 195—66.
Smiley, Robert A., to E. I. du Pont de Nemours and Co. Process for preparing tetra(di-fluoroamino) hexane-diol dinitrate. 3,331,867, 7–18–67, Cl. 260—467.
Smiley, Robert A., to E. I. du Pont de Nemours and Co. 1,2-bis(difluoroamino)ethylnitramine and process of preparation. 3,337,629, 8–22–67, Cl. 260—583.
Smiley, Robert A., to E. I. du Pont de Nemours and Co. Difluoroamino alkyl nitrate preparation. 3,347,903, 10–17–67, Cl. 260—462.
Smiley, Robert A., to E. I. du Pont de Nemours and Co. Difluoroamino aliphatic dinitrates. 3,347,904, 10–17–67, Cl. 260—467.
Smiley, Seymour H.: *See*—
Brater, Donald C., Dykstra, Kaufman, and Smiley. 3,350,-848.
Smiley, Seymour H., to United States of America, Atomic Energy Commission. Production of low particle size-high surface area metal powders. 3,341,320, 9–12–67, Cl. 75—.5.
Smiley, William D., to Esso Production Research Co. Tungsten carbide compositions, method and cutting tool. 3,301,-645, 1–31–67, Cl. 51—309.
Smilski, Michael T.: *See*—
Ireland, Henry R., and Smilski. 3,308,052.
Smilski, Michael T., and H. R. Ireland, to Mobil Oil Corp. Production of lubricating oils from resin extracts. 3,328,-287, 6–27–67, Cl. 208—87.
Smirl, Richard L., to Borg-Warner Corp. Fluid pressure engaged clutch with bellville spring. 3,306,407, 2–28–67, Cl. 192—85.
Smirl, Richard L., to Borg-Warner Corp. Electromagnetic clutch. 3,310,141, 3–21–67, Cl. 192—84.
Smirl, Richard L., to Borg-Warner Corp. Multiple plate clutch constructions. 3,317,013, 5–2–67, Cl. 192—69.
Smirl, Richard L., to Borg-Warner Corp. Cover plate for friction device. 3,335,595, 8–15–67, Cl. 72—324.
Smirl, Richard L., to Borg-Warner Corp. Rotary friction coupling employing transverse engaging springs. 3,335,833, 8–15–67, Cl. 192—68.
Smirl, Richard L., M. Waclawek, J. W. Adelman, and E. F. LaBuda, to Borg-Warner Corp. Control valve for automatic clutch control. 3,339,575, 9–5–67, Cl. 137—115.
Smirra, Johannes R., TRW Inc. Solder valve. 3,299,905, 1–24–67, Cl. 137—341.
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Smit, Willis R., to General Signal Corp. Multi aperture core incremental pulse counter. 3,315,239, 4–18–67, Cl. 340—174.
Smith, A. O., Corp.: *See*—
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Hortvet, Douglas R. 3,327,681.
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Houle, Tim H. 3,319,255.
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Johnson, Irving A. 3,313,453.
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Landow, Walter. 3,310,645.
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Probert, Walter L., and Shade. 3,340,409.
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Schaefer, John W. 3,313,428.
Smith, Aaron H., to Signal Mfg. Co. Apparatus for selectively polishing, scrubbing and cleaning floors. 3,316,579, 5–2–67, Cl. 15—320.
Smith, Aaron H., G. W. Webb, and J. Hazard, to Signal Mfg. Co. Vacuum cleaning nozzle with rug beating means. 3,329,-989, 7–11–67, Cl. 15—382.
Smith, Addison R., II, to Anaconda Aluminum Co. Manufacture of electrical coils. 3,334,413, 8–8–67, Cl. 29—605.
Smith, Alan J., and J. K. Warren, to Minnesota Mining & Mfg. Co. Electrolytic electrocopying method and apparatus. 3,305,459, 2–21–67, Cl. 204—18.
Smith, Albert A. Method and apparatus for drying fields. 3,324,846, 6–13–67, Cl. 126—271.1.
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Fessler, Theodore E., Smith, and Vincent. 3,310,443.
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Smith, Alexander M., II, to The Fiberwoven Corp. Method of making needled fabric structure. 3,298,080, 1–17–67, Cl. 28—72.2.
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Smith, Archibald H. Methods of making three dimensional contoured articles from nonwoven fabrics of fibrous materials. 3,352,954, 11–14–67, Cl. 264—90.
Smith, Arthur D., H. G. Henrickson, and C. Langewis, to Kaiser Aluminum & Chemical Corp. Apparatus for forming cup-shaped containers. 3,353,394, 11–21–67, Cl. 72—347.
Smith, Arthur L., to Radio Corp. of America. Process for preparing lanthanum yttrium or lutetium phosphate phosphors. 3,322,681, 5–30–67, Cl. 252—301.4.
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Smith, Aubrey H., and L. T. Christensen, to Eaton Yale & Towne, Inc. Controlled velocity drive. 3,351,791, 11–7–67, Cl. 310—94.
Smith, Benjamin T., J. P. Ross, Jr., and J. E. Trexler, Jr., to Newport News Shipbuilding and Dry Dock Co. Adjustable ball valve apparatus. 3,339,884, 9–5–67, Cl. 251—161.
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Curl, Donald S. 3,296,763.

Smith, Bernard. Hydrofoil sailboat. 3,295,487, 1–3–67, Cl. 114—66.5.
Smith, Bernard J., to General Electric Co. Cathode ray tube electron gun mount with unitary magnetic centering and gettering means. 3,316,432, 4–25–67, Cl. 313—75.
Smith, Berny L., to Automated Building Components, Inc. Apparatus for manufacturing structural wooden device. 3,334,-579, 8–8–67, Cl. 100—226.
Smith, Berny L., to Automated Building Components, Inc. Apparatus for manufacturing structural wooden devices. 3,334,-580, 8–8–67, Cl. 100—226.
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Smith, Bobbie R. Slurry pump. 3,326,135, 6–20–67, Cl. 103—49.
Smith, Brian, and F. P. Davey, to Cigarette Components Ltd. Method of producing filter cores. 3,329,544, 7–4–67 ,Cl. 156—167.
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Smith, Burton H., and S. F. Paik, to Raytheon Co. Pyrographite wave structures. 3,320,467, 5–16–67, Cl. 315—3.5.
Smith, Byron D., and R. R. Reisinger, to Nelex Corp. Coarse and fine head positioning apparatus for random access disc memory system. 3,298,008, 1–10–67, Cl. 340—174.1.
Smith, Carl E. Subdivision of a block of material into units of selected shapes and sizes. 3,333,494, 8–1–67, Cl. 83—1.
Smith, Carl K., to Amsted Industries, Inc. Concrete mixer and conveyor. 3,318,584, 5–9–67, Cl. 259—162.
Smith, Carl K., to Amsted Industries Inc. Pipe handling conveyor. 3,322,291, 5–30–67, Cl. 214—339.
Smith, Carl M., to Minnesota Mining and Mfg. Co. Curable composition containing a polyepoxide and an allylic polyphenolic novolac, free of methylol groups. 3,329,737, 7–4–67, Cl. 260—831.
Smith, Carl M., and R. L. Wear, to Minnesota Mining and Mfg. Co. Halogenated bisphenols and glycidyl polyethers thereof. 3,350,352, 10–31–67, Cl. 260—47.
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Smith, Charles A. Composite I-beam with splice at supports. 3,328,931, 7–4–67, Cl. 52—299.
Smith, Charles A., to Sperry Rand Corp. Manure spreader. 3,358,936, 12–19–67, Cl. 239—680.
Smith, Charles B. Erasable tracing devices. 3,315,378, 4–25–67, Cl. 35—61.
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Smith, Charles G., to The Upjohn Co. Process of controlling viral activity with pactamycin. 3,304,231, 2–14–67, Cl. 167—65.
Smith, Charles J., to Monroe Auto Equipment Co. Vehicle suspension device. 3,346,272, 10–10–67, Cl. 280—96.2.
Smith, Charles J., and A. J. Brungard, to General Electric Co. Mobile noise suppressor for fan-jet aircraft. 3,306,394, 2–28–67, Cl. 181—51.
Smith, Charles J., and H. W. Jamieson. Electroluminescent game ball. 3,351,347, 11–7–67, Cl. 273—213.
Smith, Charles J. P. Apparatus for manually digging out sods of turf. 3,319,988, 5–16–67, Cl. 294—50.8.
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Smith, Clarence C., to Union Special Machine Co. Feed mechanism for sewing machines. 3,339,509, 9–5–67, Cl. 112—210.
Smith, Clarence M., to Westinghouse Electric Corp. Angle plug. 3,335,395, 8–8–67, Cl. 339—107.
Smith, Clayton L., to General Motors Corp. Engine support structure. 3,327,473, 6–27–67, Cl. 60—39.31.
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Smith, Clifford E. P., to Pullman Inc. Temperature and atmosphere control apparatus and method therefor. 3,307,-366, 3–7–67, Cl. 62—5.
Smith, Clowe B. Hydraulic jack trailer support. 3,341,179, 9–12–67, Cl. 254—86.
Smith, Cloyd D. Prefabricated modular panel structure and modular panel units therefor. 3,343,314, 9–26–67, Cl. 52—145.
Smith, Connie O., Jr. Hand truck unloading apparatus. 3,308,978, 3–14–67, Cl. 214—511.
Smith, Cornelius P., to The Dow Chemical Co. Process for preparing composite filamentary articles. 3,316,336, 4–25–67, Cl. 264—171.
Smith, Curtis W., and T. F. Mika, to Shell Oil Co. Resinous products from unsaturated heterocyclic compounds and method for preparing the same. 3,318,846, 5–9–67, Cl. 260—47.
Smith, Cyril E., and J. A. Tracy, to The Loewy Engineering Co. Ltd. Power-driven rotary brush for cleaning the rolls of a rolling mill. 3,349,420, 10–31–67, Cl. 15—21.
Smith, Dale A., and R. M. Truesdell, to Collins Radio Co. Gain control circuit with selectable attack time constant that is independent of a fixed decay time constant. 3,302,-117, 1–31–67, Cl. 325—410.
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Smith, David H., and E. M. Tolman, to Bell Telephone Laboratories, Inc. Composition comprising Ni-Fe-N with or without silver and magnetic memory element utilizing same. 3,350,199, 10–31–67, Cl. 75—170.
Smith, David P. Mobile storage and dispensing device. 3,304,122, 2–14–67, Cl. 298—7.
Smith, David W. Method of gluing or regluing a joint. 3,352,-336, 11–14–67, Cl. 144—310.
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Smith, Donald G., to Lockheed Aircraft Corp. Mounting and supporting apparatus for litters. 3,358,300, 12–19–67, Cl. 5—9.
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Smith, Earl D., to Southern Pacific Land Co. Automatic car washing apparatus. 3,332,098, 7–25–67, Cl. 15—21.
Smith, Earl G., to Construction Machinery Co. Transmission control system. 3,332,298, 7–25–67, Cl. 74—472.
Smith, Earl W. Exerciser with elastic elements connecting supporting base and pivoted pole. 3,345,067, 10–3–67, Cl. 272—82.
Smith, Earl W., and M. Morgan, to Ben Pearson Inc. Bow string servings. 3,297,013, 1–10–67, Cl. 124—30.
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Smith, Edwin J., M. G. Vucich, and L. W. Austin, to National Steel Corp. Base materials coated with an alloy of aluminum and manganese. Re. 26,223, 6–20–67, Cl. 29—196.2.
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Smith, Eric T., to Eastman Kodak Co. Liquid handling device. 3,342,376, 9–19–67, Cl. 222—64.
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Smith, Eugene E., to United States Steel Corp. Apparatus for supporting optical scanning heads. 3,349,592, 10–31–67, Cl. 72—37.
Smith, Eugene J., to Yeomans Bros. Co. Waste treatment apparatus. 3,338,419, 8–29–67, Cl. 210—525.
Smith, Eugene S. Control device for an electrical switch. 3,304,444, 2–14–67. Cl. 307—112.
Smith, Eugene S. Building construction. 3,315,424, 4–25–67, Cl. 52—206.
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Smith, Floyd A., J. W. Graybeal, and M. H. Parks, to Esso Production Research Co. Method of drilling and completion of wells in the earth and drilling fluid therefor. 3,302,-715, 2–7–67, Cl. 166—25.
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Smith, Francis M., and P. L. Terwilliger, to Gulf Research & Development Co. Process for recovering oil by in situ combustion. 3,349,847, 10–31–67, Cl. 166—39.
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Smith, Franklin K. Controllable pitch boat propeller. 3,310,118, 3–21–67, Cl. 170—160.43.
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Smith, Gaylord, to E. I. du Pont de Nemours and Co. Cobalt-nickel base alloys containing chromium and molybdenum. 3,356,542, 12–5–67, Cl. 148—32.5.
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Smith, Geoffrey, to Polymark (Holdings) Ltd. Laundry washing machines. 3,352,131, 11–14–67, Cl. 68—58.
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Smith, George H., to Leviton Mfg. Co., Inc. Electrical fixture for panel mounting. 3,297,977, 1–10–67, Cl. 339—126.
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Smith, George H., and J. M. Poliak, to Leviton Mfg. Co., Inc. Push-button type of electrical switch. 3,331,933, 7–18–67, Cl. 200—67.
Smith, George H., and K. Kiyonaga, to Union Carbide Corp. Oxygen lances. 3,337,203, 8–22–67, Cl. 266—34.
Smith, George H., and R. E. Armstrong, Jr., to Union Carbide Corp. Method for refining metals. 3,347,660, 10–17–67, Cl. 75—43.
Smith, George M.: *See*—
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Smith, George R.: *See*—
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Smith, William B. and G. R. 3,337,044.
Smith, George W.: *See*—
Glazier, Walter H., and Smith. 3,327,805.
Smith, George W., to E. I. du Pont de Nemours and Co. Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. 3,328,251, 6–27–67, Cl. 167—65.
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Smith, Gordon V., and E. J. Ward, to Sparcatron Ltd. Electro-erosion apparatus with means to interrupt short circuit across gap only after duration of power pulse. 3,311,-782, 3–28–67, Cl. 315—225.
Smith, Grant M., and A. J. Trost, to Ampex Corp. Magnetic erase head current supply. 3,354,270, 11–21–67, Cl. 179—100.2.
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Smith, Harold A.: *See*—
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Reddig, William E., and Smith. 3,339,994.
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Smith, Merlin G., and E. Stern, to International Business Machines Corp. Methods of making thru-connections in semiconductor wafers. 3,343,256, 9–26–67, Cl. 29—578.
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Smith, Michael D.: *See*—
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Smith, Millard F. Apparatus for coating objects. 3,311,085, 3–28–67, Cl. 118—59.
Smith, Millard F., and A. V. Anusauckas, said Anusauckas assor. to said Smith. Steerable self-powered floating structures. 3,321,923, 5–30–67, Cl. 61—1.
Smith, Millard F., and A. V. Anusauckas; said Anusauckas, assor. to said Smith. Adjustable fluid mixing devices. 3,334,-657, 8–8–67, Cl. 137—604.
Smith, Morley S., to The Buehler Corp. Jet boat propulsion unit. 3,336,752, 8–22–67, Cl. 60—221.
Smith, Nathan D. High pressure indicator. 3,345,876, 10–10–67, Cl. 73—388.
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Smith, Norman E., to Crossly Window Corp. Lock mechanism for a sliding panel. 3,353,855, 11–21–67, Cl. 292—65.
Smith, Norman F., and E. T. Stocker, to Western Electric Co. Inc. Coil winding apparatus. 3,303,315, 2–7–67, Cl. 219—79.
Smith, Norman N. P., to The Marconi Co. Ltd. Radio navigation aids. 3,298,022, 1–10–67, Cl. 343—6.
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Smith, Paul. Device for making double gummed tabs from single coated cellophane tape. 3,320,834, 5–23–67, Cl. 81—3.
Smith, Paul C., and R. E. Hyde, to Strolee of California, Inc. Convertible stroller apparatus. 3,334,909, 8–8–67, Cl. 280—31.
Smith, Paul C., and R. E. Hyde, to Strolee of California, Inc. Infant's car seat. 3,338,631, 8–29–67, Cl. 297—256.
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Smith, Philip A., to B. F. Goodrich Co. Friction pad support means for caliper-type disc brakes. 3,357,524, 12–12–67, Cl. 188—73.
Smith, Philip N., and W. E. Wharton, to Deering Milliken Research Corp. Warper stop motion. 3,330,016, 7–11–67, Cl. 28—51.
Smith, Philip N., and W. E. Wharton, to Deering Milliken Research Corp. Scanning type monitoring and control apparatus. 3,348,222, 10–17–67, Cl. 340—413.
Smith, Pleasant E., ¼ each to J. A. Ozbourn, T. A. Miller, and W. G. Lecocq. Cable splice spider. 3,317,658, 5–2–67, Cl. 174—138.
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Smith, Raymond J. D., to American Cyanamid Co. Information storage using plural coded inks. 3,340,984, 9–12–67, Cl. 197—1.
Smith, Raymond M., Jr. Stylet for insertion of endotracheal catheter. 3,314,431, 4–18–67, Cl. 128—351.
Smith, Raymond M., Jr. Guide needle for flexible catheters. 3,359,978, 12–26–67, Cl. 128—214.4.
Smith, Raymond P. Expanding trailer with pivotable ridge pole and furniture. 3,338,003, 8–29–67, Cl. 52—29.
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Smith, Rex L., and J. C. Daley, to United States of America, Navy. Reserve activated voltaic battery having a gas generator for shock free operation. 3,298,868, 1–17–67, Cl. 136—90.
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Smith, Richard E., and R. L. Boston, to General Aniline & Film Corp. Thermal developing apparatus. 3,301,157, 1–31–67, Cl. 95—89.
Smith, Richard H., and J. R. Shoemaker, to Goodyear Aerospace Corp. Vehicle guidance apparatus utilizing wave generated range only information. 3,299,425, 1–17–67, Cl. 343—7.
Smith, Richard J., to McGill Mfg. Co., Inc. Single row spherical bearing. 3,306,687, 2–28–67, Cl. 308—213.
Smith, Richard L. Combined shaker top and pour spout closure for containers of finely divided material. 3,342,380, 9–19–67, Cl. 222—189.
Smith, Richard L., and R. K. Johnston, to Eastman Kodak Co. Coating to prevent heat sealing of polyolefin surfaces. 3,300,327, 1–24–67, Cl. 117—44.
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Smith, Richard T., to Western Electric Co., Inc. Article sorting apparatus. 3,351,197, 11–7–67, Cl. 209—74.
Smith, Robert A., to U.S. Atomic Energy Commission under the provisions of 42 U.S.C. 2182. Control device for nuclear reactors. 3,344,034, 9–26–67, Cl. 176—36.
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Smith, Robert C. Ornamental window shade. 3,308,872, 3–14–67, Cl. 160—120.
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Smith, Robert J., to United States of America, Air Force. Force adaptive dynamic face seal. 3,336,034, 8–15–67, Cl. 277—88.
Smith, Robert L., to Chemetron Corp. Receptacle filling machines. 3,349,973, 10–31–67, Cl. 222—380.
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Smith, Robert T., Jr., to Honeywell Inc. Recorder. 3,303,509, 2–7–67, Cl. 346—34.
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Smith, Robert V., to Phillips Petroleum Co. High-pressure steam drive oil production process. 3,353,598, 11–21–67, Cl. 166—11.
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Smith, Roy E., and W. O. Pearman, to Owens-Corning Fiberglas Corp. Apparatus for driving filamentary material collectors or bobbins. 3,302,384, 2–7–67, Cl. 57—130.
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Smith, Samuel, and P. O. Sherman, to Minnesota Mining and Mfg. Co. Vinyl polymers containing perfluoro carbon groups and acyl halide groups. 3,330,812, 7–11–67, Cl. 260—79.3.
Smith, Samuel, and P. O. Sherman, to Minnesota Mining and Mfg. Co. Copolymers of perfluoro acrylates and hydroxy alkyl acrylates. 3,356,628, 12–5–67, Cl. 260—29.6.
Smith, Samuel C., to Fan-Air Systems, Inc. Low temperature, high humidity lumber drying kiln. 3,337,967, 8–29–67, Cl. 34—46.
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Smith, Samuel H., to A–1 Bit & Tool Co. Swivel for supporting drill string in submerged casing head. 3,301,324, 1–31–67, Cl. 166—.5.

Smith, Samuel H. Pushbutton control with retaining and disabling means. 3,358,090, 12–12–67, Cl. 200—5.
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Ferm, Richard L., Smith, and Moran. 3,330,070.
Nunn, Roland C., Moran, Smith, and Tobriner. 3,328,891.
Smith, Stanley F., and P. A. Taylor, to Rolls-Royce Ltd. Gas turbine engine combustion equipment. 3,316,714, 5–2–67, Cl. 60—39.65.
Smith, Stanley J. Hydraulic brake safety device. 3,325,996, 6–20–67, Cl. 60—54.5.
Smith, Stanley J., to Simmonds Precision Products, Inc. Jet stream indicator. 3,350,943, 11–7–67, Cl. 73—362.
Smith, Stephen W., to Sperry Rand Corp. Document sorting. 3,347,367, 10–17–67, Cl. 209—74.
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Duffield, Joseph F., and Godziemba-Dambski. 3,305,650.
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Kindersley, Charles R. D., and Duffield. 3,333,234.
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Smith, Thomas R., to The Maytag Co. Vacuum breaker. 3,307,571, 3–7–67, Cl. 137—218.
Smith, Thomas R., to The Maytag Co. Agitator for washing machine. 3,314,253, 4–18–67, Cl. 68—18.
Smith, Thomas R., to The Maytag Co. Speed control system for laundry appliance. 3,324,691, 6–13–67, Cl. 68—24.
Smith, Thomas R., to The Maytag Co. Level sensing means for electrically conductive materials. 3,339,578, 9–5–67, Cl. 137—392.
Smith, Tom, & Co., Ltd.: *See*—
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Smith, Tom R., to American Air Filter Co., Inc. Secondary system for dust collector. 3,344,589, 10–3–67, Cl. 55—294.
Smith, Tom R., and R. J. Boylan, to American Air Filter Co., Inc. Unit filter assembly. 3,344,590, 10–3–67, Cl. 55—484.
Smith, Traver J.; ½ to G. I. Magnuson, and ½ to G. I. and Robert Magnuson, and L. J. Fox, trustees of the estate of Roy M. Magnuson, deceased. Color grading apparatus. 3,295,406, 1–3–67, Cl. 88—14.
Smith, Valor C., Jr., and J. O. Watson, to L. J. Chu. Broad band antenna. 3,324,476, 6–6–67, Cl. 343—830.
Smith, Verity C., to Barnstead Still & Sterilizer Co. Water distillation apparatus with vapor trap. 3,298,929, 1–17–67, Cl. 202—190.
Smith, Verity C., to Barnstead Still and Sterilizer Co. Demineralization of water. 3,355,018, 11–28–67, Cl. 210—94.
Smith, Vernon C., E. H. Hinton, Jr., and D. A. Davis, to Burlington Industries, Inc. Breathable and waterproof coated fabric and process of making same. 3,326,713, 6–20–67, Cl. 117—76.
Smith, Vincent K.: *See*—
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Turk, James R. 3,333,544.
Turk, James R. 3,350,587.
Turk, James R. 3,353,068.
Smith, Ving. Prefabricated building. 3,347,000, 10–17–67, Cl. 52—90.
Smith, Virgil O.: *See*—
Kuhns, Charles C., and Smith. 3,320,537.
Smith, Walter A.: *See*—
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Smith, Walter J.: *See*—
Kasza, Carl J., and Smith. 3,300,347.
Smith, Walter J., and R. B. Parker, to Johnson Service Co. Humidity sensing element. 3,301,057, 1–31–67, Cl. 73—337.
Smith, Walter K., Jr., and C. T. Phillips. Building structure having facing slabs and removable securing means therefor. 3,350,830, 11–7–67, Cl. 52—509.
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Smith, Warren G. Football practice device. 3,304,089, 2–14–67, Cl. 273—55.
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Smith, Watt V., and R. L. Ward, to United States of America, Navy. Quick acting submarine shaft seal. 3,337,222, 8–22–67, Cl. 277—34.3.
Smith, Wilbur C.: *See*—
Rayner, Raymond E., and Smith. 3,299,655.
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Smith, Willard O., K. L. Weaver, and A. C. Harmsen, to Gilman Paper Co. Gusseted multi-wall waterproof paper bag. 3,346,173, 10–10–67, Cl. 229—55.
Smith, Willard W.: *See*—
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Smith, William C. Briquets made of char and method for the production thereof. 3,336,122, 8–15–67, Cl. 44—17.
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Smith, William D., to Go, Inc. Bore hole tool orienting apparatus and systems. 3,307,642, 3–7–67, Cl. 175—4.51.
Smith, William D., to Go, Inc. Bore hole tool orienting apparatus and systems. 3,307,648, 3–7–67, Cl. 175—4.51.
Smith, William D., to Varian Associates. Terminal pin mounting arrangement for cylindrical grids in electron tubes. 3,319,108, 5–9–67, Cl. 313—331.
Smith, William E., and H. Volk, to The Dow Chemical Co. Method for producing polymers of vinyl aromatic sulfonates characterized useful as flocculants. 3,340,238, 9–5–67, Cl. 260—79.3.
Smith, William F. Winding and feeding device. 3,302,898, 2–7–67, Cl. 242—11.
Smith, William F., to Jones & Laughlin Steel Corp. Molten metal sampler. 3,354,723, 11–28–67, Cl. 73—425.6.
Smith, William F., and E. R. Mays. Machine for abrading, polishing and cleaning. 3,327,431, 6–27–67, Cl. 51—163.
Smith, William F. and L. T., to The Dow Chemical Co. Method for preparing aqueous dispersions of high molecular weight olefin polymers. 3,356,629, 12–5–67, Cl. 260—29.6.
Smith, William G., 40% to Robert P. Berryman. Quick-release safety seat belt. 3,313,572, 4–11–67, Cl. 297—388.
Smith, William I., to United States of America, Atomic Energy Commission. Non-linear end-of-line clipper circuit for pulsers. 3,322,975, 5–30–67, Cl. 307—93.
Smith, William L. Lid retainer. 3,358,874, 12–19–67, Cl. 220—55.7.
Smith, William M., to Escambia Chemical Corp. Plastic surface covering material containing metallized plastic particles. 3,345,322, 10–3–67, Cl. 260—41.
Smith, William M., and H. F. Beers, Jr., to The Warner & Swasey Co. Shearproof metal punch. 3,348,443, 10–24–67, Cl. 83—686.
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Smith, William N. Combination hand case. 3,319,744, 5–16–67, Cl. 190—52.
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Smith, Willis R., to General Signal Corp. Car retarder control system. 3,358,139, 12–12–67, Cl. 246—169.
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Snyder, James H., to Honeywell Inc. Magnetic oscillator apparatus having means for minimizing nonlinearities in the square wave output. 3,340,480, 9–5–67, Cl. 331—113.

Snyder, James M., to E. I. du Pont de Nemours and Co. Process for extraction of metals. 3,347,662, 10–17–67, Cl. 75—106.

Snyder, John A., to The Babcock & Wilcox Co. Vacuum degasser. 3,337,201, 8–22–67, Cl. 266—13.

Snyder, John C., to Hercules Inc. Manufacture of *p*-nitrosoaniline. 3,338,966, 8–29–67, Cl. 260—581.

Snyder, John G., to Atlantic Research Corp. Sequentially operated bidirectional rocket motors for thrust direction modification. 3,358,454, 12–19–67, Cl. 60—229.

Snyder, Joseph Q., R. D. Swisher, W. E. Weesner, and L. T. Wolford, to Monsanto Co. Process of preparing alkaryl sulfonates by dimerizing olefins with a metal oxide promoted silica-alumina catalyst. 3,332,989, 7–25–67, Cl. 260—505.

Snyder, Kenneth E.: *See*—
Clapp, Samuel A., and Snyder. 3,318,174.

Snyder Manufacturing Co.: *See*—
Trexler, Philip C. 3,339,992.
Trexler, Philip C. 3,348,890.
Trexler, Philip C. 3,355,230.

Snyder, Nicholas H.: *See*—
Smoke, Edward J., and Snyder. 3,360,203.

Snyder, Orval, to Richmond Baking Co. Cookie aligning apparatus. 3,295,657, 1–3–67, Cl. 198—30.

Snyder, Orville E.: *See*—
Moore, Donald L., and Snyder. 3,317,242.
Moore, Donald L., and Snyder. 3,326,602.

Snyder Paper Corp.: *See*—
Bigsby, Paul V., Jr., and Stilwell. 3,298,263.

Snyder, Paul V., to General Electric Co. Toast temperature detector. 3,348,024, 10–17–67, Cl. 219—413.

Snyder, Paul W., Jr.: *See*—
Kondis, Edward F., Smith, and Snyder. 3,318,798.

Snyder, Peter J. Universal coupling system and the like. 3,339,379, 9–5–67, Cl. 64—7.

Snyder, Richard C., and M. Stark, to Pullman Inc. Adjustable restraining means. 3,353,506, 11–21–67, Cl. 105—369.

Snyder, Richard L., to Hughes Aircraft Co. Magnetic wire spiral shift register. 3,299,413, 1–17–67, Cl. 340—174.

Snyder, Richard L., to Hughes Aircraft Co. Analogue memory system. 3,334,343, 8–1–67, Cl. 340—347.

Snyder, Richard L., to Hughes Aircraft Co. Collapsing domain magnetic memory. 3,351,922, 11–7–67, Cl. 340—174.

Snyder, Robert E., and J. C. Suatoni, to Gulf Research & Development Co. Process for purifying a normal alpha olefin mixture of its vinylidene content. 3,306,946, 2–28–67, Cl. 260—677.

Snyder, Robert P., to The Dow Chemical Co. Vacuum-forming mold. 3,353,219, 11–21–67, Cl. 18—35.

Snyder, Robert P., to The Dow Chemical Co. Method of filling enclosures with low density particulated material. 3,358,059, 12–12–67, Cl. 264—51.

Snyder, Robert W., to Armstrong Cork Co. Method of orienting chips in the manufacture of floor and wall covering. 3,323,935, 6–6–67, Cl. 117—20.

Snyder, Sargent P.: *See*—
Catallo, Frank, and Snyder. 3,337,107.

Snyder, Stephen L.: *See*—
Starer, Robert L., and Dean. 3,300,606.

Snyder, Walter C., and G. H. Morgan, to The Dow Chemical Co. Trace emulsifier latices consisting of an interpolymer of an alpha-beta ethylenically unsaturated carboxylic acid, an alkyl acrylate and either styrene or acrylonitrile. 3,326,836, 6–20–67, Cl. 260—29.6.

Snyder, William J., Jr.: *See*—
Gilbert, Harry E., Jr., Snyder, and Zundel. 3,331,796.

Snyder, William T., to Nalco Chemical Co. Method of inhibiting erosion on mold surfaces. 3,357,481, 12–12–67, Cl. 164—72.

Snyder, Wilma E.: *See*—
Smoke, Edward J., and Snyder. 3,360,203.

Soabar Co.: *See*—
Henry, Walton M. 3,331,315.

Soan, Brian S., and R. A. Waller, to Kins Developments Ltd. Gas holder. 3,355,271, 11–28–67, Cl. 48—174.

Sob, Frantisek, and F. Weidenhofer, to Elitex Sdruzeni Podniku Textilniho Strojirenstvi. Machine for the production of a continuous staple fiber product from bundles of continuous synthetic filaments. 3,317,963, 5–9–67, Cl. 19—.56.

Sobeck, Harold R., to Rockwell Standard Corp. Combination oil bath and dry air filter for internal combustion engine. 3,298,149, 1–17–67, Cl. 55—252.

Sobeck, Harold R., to Rockwell-Standard Corp. Dust and like particle separator. 3,355,864, 12–5–67, Cl. 55—443.

Sobek, Alfred S.: *See*—
Morton, William A., and Sobek. 3,342,470.

Sobel, David, 50% to Bilker and Moyerman. Pneumatic squeeze toy. 3,353,823, 11–21–67, Cl. 272—8.

Sobel, David D. Garment stretching and shaping form. 3,356,271, 12–5–67, Cl. 223—66.

Sobel, Ilyitch J.: *See*—
McCarthy, Robert J., and Sobel. 3,321,690.

Sobel, Ilyitch J., to Sonotone Corp. Coulometer controlled battery charging systems. 3,329,882, 7–4–67, Cl. 320—39.

Sobel, Leonard H. and M. Motor vehicle push preventing bumper guard. 3,308,903, 3–14–67, Cl. 180—83.

Sobel, Martin: *See*—
Sobel, Leonard H. and M. 3,308,903.

Sobel, Seymour: *See*—
Iappelli, Vincent J., and Sobel. 3,328,458.

Sobel, Sydney M., to Ontario Store Fixture Co., Ltd. Modular knockdown shelving construction. 3,346,124, 10–10–67, Cl. 211—148.

Sobesky, John C., to Office Products Inc. Label holder. 3,305,957, 2–28–67, Cl. 40—11.

Sobesky, John C., to S & M Mfg. Co. Label holder. 3,337,977, 8–29–67, Cl. 40—10.

Sobey, Albert J.: *See*—
Hook, Gerald E., and Sobey. 3,307,131.

Sobocinski, Eugene C., and W. F. Symes, to Monsanto Co. Process improvements for preparing cyanuric acid. 3,354,158, 11–21–67, Cl. 260—248.

Sobocinski, Eugene C., and W. F. Symes, to Monsanto Co. Process improvement for preparing cyanuric acid. 3,357,979, 12–12–67, Cl. 260—248.

Soboczenski, Edward J.: *See*—
Luckenbaugh, Raymond W., and Soboczenski. 3,360,520.

Soboczenski, Edward J., to E. I. du Pont de Nemours and Co. 3-carbo hydrocarbonoxy amino crotonamides and process for the preparation of uracils therefrom. 3,321,464, 5–23–67, Cl. 260—239.

Soboczenski, Edward J., to E. I. du Pont de Nemours and Co. 3,5-disubstituted uracils. 3,352,863, 11–14–67, Cl. 260—260.

Soboczenski, Edward J., to E. I. du Pont de Nemours and Co. 3-substituted-5,6-alkyleneuracils 3,360,512, 12–26–67, Cl. 260—260.

Soboczenski, Edward J., to E. I. du Pont de Nemours and Co. 3-substituted-5,6-alkyleneuracils. 3,360,521, 12–26–67, Cl. 260—260.

Sobol, Erwin J.: *See*—
Leifer, Joseph C., Mittelman, and Sobol. 3,342,935.

Sobol, Woldimar, and H. L. Higgins, to Westinghouse Brake and Signal Co. Ltd. Automatic slack adjusters for brakes. 3,326,336, 6–20–67, Cl. 188—202.

Sobol, Woldimar, and H. L. Higgins, to Westinghouse Brake & Signal Co. Slack adjuster. 3,338,356, 8–29–67, Cl. 188—203.

Soboleski, Adam: *See*—
Barron, Joseph E., and Soboleski. 3,330,642.

Sobolev, Igor: *See*—
De Benedictis, Aldo, and Sobolev. 3,321,649.

Sobolev, Igor, to Shell Oil Co. 2-hydroxy-3-alkenoyloxypropyltrialkyl-ammonium halides. 3,329,706, 7–4–67, Cl. 260—486.

Sobolev, Igor, to Shell Oil Co. Cationic ester production. 3,342,840, 9–19–67, Cl. 260—404.

Sobolewski, Edward A. Plastic shotgun shell. 3,359,903, 12–26–67, Cl. 102—43.

Sobyro, Anna M.: *See*—
Blake, Frederick H. 3,349,334.

Sobyro, Michael J.: *See*—
Blake, Frederick H. 3,349,334.

Socha, Rudolf: *See*—
Ackermann, Karl, and Socha. 3,299,788.

Sochting, Herbert, to Hoerbiger Ventilwerke Aktiengesellschaft. Atomizer. 3,301,491, 1–31–67, Cl. 239—238.

Sochting, Herbert, and E. Vock, to Hoerbiger Ventilwerke Aktiengesellschaft. Device for the automatic draining of liquids from compressed-gas systems. 3,348,564, 10–24–67, Cl. 137—193.

Sociedad Civil De Estudio Investigaciones Del Desarrollo Y Progreso Del Automotor Y Mandatos B.M.B.: *See*—
Buyatti, Placido L. 3,308,797.

Societa Applicazioni Gomma Antivibranti S.A.G.A., S.p.A.: *See*—
Boschi, Antonio. 3,323,786.
Boschi, Antonio. 3,324,774.
Boschi, Antonio, and Martorana. 3,315,951.

Societa Edison: *See*—
Ribaldone, Giuseppe, Nenz, and Brichta. 3,328,393.
Ribaldone, Giuseppe, Smai, and Borsotti. 3,328,394.

Societa Farmaceutici Italia: *See*—
Arcamone, Federico, Franceschi, and Glaesser. 3,324,133.
Bernardi, Luigi, and De Castiglione. 3,300,469.
Camerino, Bruno, Patelli, and Sciaky. 3,314,945.
Chillemi, Francesco. 3,341,510.
Mancini, Franco, and Sciaky. 3,297,729.
Marnati, Maria P., Prieto, and Spalla. 3,330,737.

Societa Internazionale Fonovisione S.p.A.: *See*—
Bottani, Angelo. 3,344,240.

Societa Italiana Prodotti Schering: *See*—
Galimberti, Paolo, Gerosa, Melandri, and Buttini. 3,344,168.

Societa Italiana Telecommunicazioni Siemens S.p.A.: *See*—
Pistilli, Angelo, and Susin. 3,350,664.

Societa Nazionale delle Officine de Savigliano: *See*—
De Gasperis, Franco. 3,301,409.
De Gasperis, Franco. 3,344,932.

Societa Nazionale Industria Applicazioni Viscosa, S.p.A., SNIA: *See*—
Palvarini, Attilio, Horak, and Milizia. 3,352,945.
Siclari, Francesco, Bellano, Ciceri, D'Alo', Perazzoni, and Giacobone. 3,345,445.

Societa Octel: *See*—
Biezunski, Georges, Maugest, and Peres. 3,353,711.

Societa Rhodiatoce S.p.A.: *See*—
Romani, Roberto, and Ferri. 3,299,116.
Romani, Roberto, and Ferri. 3,350,281.

Societe a Responsabilite Limitee dite: Botalam: *See*—
Missioux, Jean L. 3,332,597.

Societe a Responsabilite Limitee dite Sonal: *See*—
Albaut, Gaston. 3,333,543.

Societe a Responsabilite Limitee Doittau Produits Metallurgie: *See*—
Nouveau, Henry. 3,344,838.

Societe a Responsabilite Limitee: Recherches Etudes Production R.E.P.: *See*—
Boulet, Georges. 3,332,356.
Lucien, René. 3,336,948.
Lucien, Rene. 3,338,535.

Societe a Responsabilite Limitee: Societe Lamy d'Etudes et de Recherches "Soler": *See*—
Chaveneaud, Roger M. 3,351,727.

Societe Alcatel: *See*—
Sauve, Charles, and David. 3,334,213.

Societe Alsacienne de Constructions Mecaniques: *See*—
Halleux, Hubert, 3,327,464.

Societe Anglo-Belge Vulcain S.A.: *See*—
Challender, Ronald S. 3,321,372.
Gratton, Charles P., and Russell. 3,341,426.
Grell, Philippe, Harmant, Dodd, and Driscoll. 3,356,589.
Johnston, Charles. 3,303,099.
Maldague, Pierre E. J. M. 3,305,450.
Prince, Michael J., and Timbs. 3,298,922.
Timbs, Arthur E., and Dodd. 3,301,764.

Societe Anonyme Andre Citroen: *See*—
Brueder, Antoine. 3,316,778.
Brueder, Antoine. 3,324,739.
Brueder, Antoine. 3,325,224.
Brueder, Antoine. 3,330,372.
Brueder, Antoine. 3,349,872.
Brueder, Antoine. 3,357,041.
Cadiou, Jean. 3,298,201.

Societe Anonyme Andre Citroen: *See*—Continued
Cadiou, Jean. 3,312,249.
Cadiou, Jean. 3,337,233.
Cadiou, Jean. 3,357,718.
Cadiou, Jean G. 3,306,231.
Cadiou, Jean G. 3,329,136.
Henry-Biabaud, Edmond. 3,301,248.
Henry-Biabaud, Edmond. 3,307,662.
Henry-Biabaud, Edmond. 3,316,031.
Henry-Biabaud, Edmond. 3,322,420.
Henry-Biabaud, Edmond. 3,329,153.
Henry-Biabaud, Edmond. 3,353,815.
Panhard, Paul. 3,329,133.

Societe Anonyme, Ateliers Heuze, Malevez et Simon: *See*—
Dryon, Jacques M. C. 3,340,036.

Societe Anonyme Babbitless: *See*—
Barrot, Paul M. E., and Lemardeley. 3,305,181.
Lemardeley, Claude Y. L., and Barrot. 3,300,149.

Societe Anonyme Colortex: *See*—
Mersch, Georges. 3,322,401.

Societe Anonyme; Compagnie des Ateliers et Forges de la Loire St. Chamond-Firminy-St. Etienne-Jacob-Holtzer: *See*—
Namy, Gerald. 3,332,676.

Societe Anonyme COQ France: *See*—
Picard, Pierre, and Bokshorn. 3,297,848.
Picard, Pierre, and Boudiak. 3,329,786.

Societe Anonyme D.B.A.: *See*—
Seidermann, Jacques. 3,296,835.
Thirion, Rene. 3,344,891.
Thirion, Rene. 3,357,181.
Thirion, Rene. 3,357,526.
Toulier, Pierre. 3,299,719.

Societe Anonyme de Machines Electrostatiques: *See*—
Barford, John C., Dias, and Glentworth. 3,323,933.
Point, Marcel A. R. 3,339,840.

Societe Anonyme de Telecommunications: *See*—
Bezerie, Jean P. 3,332,641.
Verges, Paul F., and Delebecque. 3,323,167.

Societe Anonyme des Ateliers d'Aviation Louis Breguet: *See*—
Bruner, Georges. 3,333,772.
Fontaine, Jean-Claude. 3,303,714.
Pierrat, Jean. 3,329,062.
Ricard, Armand G. 3,334,845.
Zimer, Joel. 3,303,715.

Societe Anonyme des Ateliers de Secheron: *See*—
Farinelli, Rene, Maret, and Riondel. 3,317,806.
Wagenleitner, Alois, Montjovent, and Liebisch. 3,349,215.

Societe Anonyme des Ateliers et Chantiers de la Seine Maritime: *See*—
Herrenschmidt, Pierre. 3,339,778.

Societe Anonyme des Ateliers G.S.P. Guillemin: *See*—
Pegard, Pierre. 3,307,083.
Riondel, Pierre, and Garnier. 3,344,333.

Societe Anonyme des Etablissements Leon Hatot: *See*—
Dietsch, Jacques J. G. 3,349,305.

Societe Anonyme des Usines Chausson: *See*—
Jentet, Maxime L. 3,305,009.
Plegat, Alain E. 3,312,015.
Plegat, Alain E. 3,318,281.
Plegat, Alain E. 3,318,503.

Societe Anonyme dite: Compagnie Francaise de Raffinage: *See*—
Grosmangin, Jacques, Besancon, and Petit. 3,328,379.

Societe Anonyme dite: Laboratoire Roger Bellon: *See*—
Pesson, Marcel. 3,310,555.
Reynaud, Pierre. 3,358,022.

Societe Anonyme dite: l'Oreal: *See*—
Kalopissis, Grégoire, Viout, and Vanlerberghe. 3,337,548.

Societe Anonyme dite: Orsymonde: *See*—
Lafon, Victor. 3,325,488.
Prevost, Henri M. 3,310,094.

Societe Anonyme dite: Pneumatiques et Caoutchouc Manufacture et Plastiques Kleber Colombes: *See*—
Hamelin, Jean J., and Roulet. 3,326,400.
Landler, Yvan, and Lebel. 3,308,074.

Societe Anonyme dite: Societe de Constructions de Montbard: *See*—
Gillet, Charles E. 3,355,923.

Societe Anonyme dite: Societe Francaise d'Etiquetage Virey & Garnier: *See*—
Della Vite, Romuald R. 3,322,597.

Societe Anonyme dite: Societe Generale de Traction et d'Exploration: *See*—
Aubert, Jean. 3,331,208.

Societe Anonyme dite: Societe Industrielle pour la Fabrication des Antibiotiques (S.I.F.A.): *See*—
Boissier, Jacques R., and Combes. 3,299,124.
Boissier, Jacques R., and Malen. 3,355,459.
Ores, Bernard, Zuckerkandl, and Philippe. 3,296,246.

Societe Anonyme dite: UNITEC: *See*—
Verbaere, Andre R. 3,347,371.

Societe Anonyme dite: Vallourec: *See*—
Chamayou, Gerard. 3,356,394.
Dedieu, Jacques M. B. 3,308,700.
Gillet, Charles. 3,342,109.

Societe Anonyme Etablissements Bresson-Faille-Marchand: *See*—
Alletru, Jean L. 3,300,743.

Societe Anonyme : Etablissements Kuhlmann : *See*—
Biet, Alfred G. P. 3,305,316.
Societe Anonyme : Etablissements Simon : *See*—
Simon, Roger J. A. 3,353,270.
Societe Anonyme Francaise des Appareils Automatiques Taximetres-Taxiphones-S.A.F.A.A. : *See*—
Martinet, Andre. 3,338,510.
Societe Anonyme Francaise du Ferodo : *See*—
Francois, Jean C. 3,315,769.
Francois, Jean G. 3,357,525.
Lepelletier, Pierre A. G. 3,306,678.
Lepelletier, Pierre A. G. 3,340,968.
Lepelletier, Pierre A. G. 3,338,351.
Lepelletier, Pierre A. G. 3,351,161.
Maurice, Jean. 3,305,051.
Maurice, Jean. 3,307,667.
Maurice, Jean. 3,323,624.
Maurice, Jean. 3,327,820.
Societe Anonyme Geoffroy-Delore : *See*—
Gonguet, Jean. 3,329,361.
Haughwitz, Otto. 3,309,857.
Societe Anonyme Glaverbel : *See*—
De Voghel, Raymond. 3,315,975.
Societe Anonyme Godderidge & Cie : *See*—
Gonguet, Jean. 2,329,361.
Societe Anonyme Iwan Simonis, S.A. : *See*—
Malchair, Armand. 3,342,219.
Malchair, Armand. 3,347,279.
Societe Anonyme, Lesieur, Georges & Ses Fila : *See*—
Doucet, Gilles. 3,332,724.
Societe Anonyme le Textile Delier : *See*—
Groebli, Gustave. 3,314,123.
Societe Anonyme l'Industrie Biologique Francaise : *See*—
Aubriot, Annie (Boussac). 3,320,128.
Societe Anonyme Poclain : *See*—
Guinot, Gabriel L. 3,296,937.
Guinot, Gabriel L. 3,314,709.
Guinot, Gabriel L. 3,323,666.
Guinot, Gabriel L. 3,335,809.
Societe Anonyme, Prochirhim : *See*—
Meyer, Robert, and Muller. 3,340,082.
Societe Anonyme Safege-Transport : *See*—
Chadenson, Lucien F. 3,310,004.
Societe Anonyme Simca Automobiles : *See*—
Agostini, Antoine A., and Lagriffol. 3,334,671.
Blavette, Roger. 3,327,556.
Cauvin, André. 3,326,501.
Cauvin, Andre. 3,338,620.
Charlatte, Georges C. 3,331,364.
Dumas, Roger. 3,328,069.
Klitzing, Guillaume. 3,335,269.
Societe Anonyme : Societe Alsacienne de Constructions Atomiques de Telecommunications et d'Electronique Alcatel : *See*—
Frindel, Sebastien. 3,328,885.
Maudinet, Louis, Ziegelmeyer, and Dintzner. 3,301,588.
Rodallec, Jean P. R. 3,304,763.
Societe Anonyme : Societe d'Etude de la Propulsion par Reaction : *See*—
Vilet, Andre. 3,334,489.
Detalle, Bernard. 3,357,260.
Societe Anonyme Tubest : *See*—
De la Tramerye, Raymond. 3,310,082.
Societe Antargaz Societe Anonyme de Distribution de Gaz Liquides de Petrole : *See*—
Vezzoli, Louis A. 3,321,001.
Societe a Responsabilite Limitee, Allard & Fils : *See*—
Allard, Adrien. 3,306,520.
Societe Astra de Bouchage, Surbouchage & Conditionnement, Societe Anonyme, & Lesieur, Georges & Ses Fils, Societe Anonyme : *See*—
Bereziat, André, and Janssen. 3,341,046.
Societe Auxitra : *See*—
Fauchere, Jean. 3,348,709.
Societe Belge de l'Azote et des Produits Chimiques du Marley : *See*—
Braconier, Frederic F. A., and Riga. 3,299,161.
Lefebvre, Andre G. F., Englebert, and Geukenne. 3,359,075.
Societe Biraghi : *See*—
Peignen, Henri J. 3,324,275.
Societe Boulonnaise de Recherches et de Diffusion Pharmaceutiques "Sobore" Societe Anonyme : *See*—
Valery, Jean, and Laville. 3,336,193.
Societe Chimie et Synthise de Picardie : *See*—
Vincent, Andre. 3,358,000.
Societe Civile de Recherches et d'Etudes Industrielles : *See*—
Vincens, Rene. 3,333,752.
Vincens, Rene, and Lemaire. 3,304,121.
Societe Civile des produits Lifine : *See*—
Julius, Anatole. 3,329,509.
Societe Civile dite ; Societe Civile d' Etudes de Centrifugation : *See*—
Babel, Louis, and Peytavin. 3,353,587.
Societé d'Applications Générales d'Electricité et de Mécanique : *See*—
Sourgens, Roger P. 3,336,576.
Societe Degremont Societe Anonyme : *See*—
Binder, Pierre, and Lecouffe. 3,298,871.
Schilters, Ansgar. 3,335,868.
Societe de la Viscose Suisse : *See*—
Krieger, Alex. 3,298,994.
Krieger, Alex. 3,340,227.
Settele, Walter G. 3,297,807.
Wyss, Daniel and W. 3,322,554.
Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieres Electriques d'Ugine : *See*—
Besson, Paul, Nallet, and Luiset. 3,305,585.
Borrel, Marcel. 3,328,268.
Borrel, Marcel, and Konareff. 3,301,890.
Chabrier, Henri, and Saint-Joanis. 3,311,301.
Cloppet, Raymond. 3,336,100.
Danis, Francois, Cloppet, and Montanteme. 3,356,493.
Du Bellay, Marc G., and Sanlaville. 3,336,109.
Gravey, Guy. 3,357,858.
Greffe, Andre. 3,317,308.
Guerin, Jean, and Aigueperse. 3,323,860.
Modiano, Jacques, and Weiss. 3,328,266.
Parisot, Gerard. 3,300,279.
Szobel, Laszlo, and Parvi. 3,297,594.
Szobel, Laszo, and Parvi. 3,303,240.
Szobel, Laszlo, and Parvi. 3,308,158.
Szobel, Laszlo, and Parvi. 3,359,216.
Vuillemenot, Jacques. 3,354,102.
Societe d'Electronique et d'Automatisme : *See*—
Raymond, Francois H. 3,356,837.
Societe de Mecanographie Japy : *See*—
Meinherz, Joachim, and Waldenburger. 3,348,650.
Societe de Products Chimiques d'Auby : *See*—
Oster, Felix. 3,305,491.
Societe de Prospection Electrique Schlumberger, S.A. : *See*—
Baks, Claude L., and Chesnel. 3,347,164.
Goullioud, Michel M. A. 3,340,464.
Societe Depson : *See*—
Delsol, Jacques M. P. 3,318,038.
Societe de Recherches Scientifiques : *See*—
Netien, Georges, Lacharme, Raymond, and Savy. 3,337,405.
Societe de Recherches Tecniques et Industriells : *See*—
Barnabe, Jean-Louis, Callies, and Loveque. 3,344,926.
Societe des Accumulateurs Fixes et de Traction (Societe Anonyme) : *See*—
Ackermann, Karl. 3,356,534.
Deschamps, Robert M., and Dufour. 3,343,058.
Godard, Pierre. 3,356,891.
Godard, Pierre, and Goix. 3,342,645.
Harivel, Jean-Pierre L. R. 3,342,639.
Herold, Charles V., and Ackermann. 3,305,398.
Herold, Charles V., and Kahn. 3,342,640.
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Sonnenschein, George, to General Motors Corp. Thermoelectric module. 3,303,058, 2–7–67, Cl. 136—230.

Sonnenschein, Hans, and K.-H. Schnug, to Siemens-Schuckertwerke Aktiengesellschaft. Apparatus for contacting gas with article material in counterflow. 3,305,939, 2–28–67, Cl. 34—54.

Sonner, Josef. Vehicle frame device. 3,330,043, 7–11–67, Cl. 33—174.

Sonnet, Phillip E.: *See*—
Farnham, Alford G., and Sonnet. 3,359,306.

Sonneville, Roger P. Railway track support. 3,313,486, 4–11–67, Cl. 238—117.

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Ginsbach, Karl-Heinz, and Sonntag. 3,307,240.

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Sonntag, Wallace E., Jr., to Carrier Corp. Thermoelectric panels. 3,325,312, 6–13–67, Cl. 136—212.

Sonobe, Kozo: *See*—
Nakaoka, Toshio, Sonobe, Suganuma, and Mori. 3,341,566.

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Murphy, Eugene F. 3,297,932.
Pearson, Harry A. 3,296,514.
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Vignini, Walter R. 3,321,332.

Sonoyama, Yutaka, to Hitachi, Ltd. Alternating current electric motor rotor. 3,321,653, 5–23–67, Cl. 310—180.

Sontag, Harcourt. Removable swivel head for tool handles. 3,307,437, 3–7–67, Cl. 81—177.

Sontheimer, Carl G., to Anzac Electronics, Inc. Electrical connector for transmission lines and the like. 3,325,587, 6–13–67, Cl. 174—72.

Sontheimer, Heinrich. Process for dewatering organic sludges from waste water treatment. 3,345,288, 10–3–67, Cl. 210—10.

Sontheimer, Heinrich, and D. Heinicke. Dewatering organic sludge which has been separated during treatment of waste water. 3,300,401, 1–24–67, Cl. 210—5.

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Kihara, Nobutoshi. 3,359,365.
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Soodalter, Arnold. Meat tenderizing apparatus. 3,334,377, 8–8–67, Cl. 17—28.

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Sooke, Robert J. Sound reproducer with means for attachment to a telephone handpiece. 3,299,207, 1–17–67, Cl. 179—1.

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Soong, William E., and J. W. Thomsen, to Bell & Howell Co. Web supply mount for web handling apparatus. 3,337,147, 8–22–67, Cl. 242—55.11.

Soos, James E., to United States of America, Army. Time slot delay storage. 3,334,186, 8–1–67, Cl. 179—15.

Soos, James E., to United States of America, Army. Delay time-slot storage. 3,334,188, 8–1–67, Cl. 179—15.

Soos, James E., to United States of America, Army. Delay storage time slot selector. 3,334,189, 8–1–67, Cl. 179—15.

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Sopher, Bruce M., and J. W. Collins, to Farr Co. By-pass damper device. 3,360,005, 12–26–67, Cl. 137—512.1.

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Sordello, Frank J., and G. J. Thaler, to International Business Machines Corp. Phase differential compensation circuit. 3,310,732, 3–21–67, Cl. 323—101.

Sorensen, Egon, and J. G. Crost, to Sunroc Corp. Water cooling system. Re. 26,160, 2–21–67, Cl. 62—391.

Sorensen, Elo, to Carmo Aktieselskab. Apparatus for handling objects. 3,352,402, 11–14–67, Cl. 198—33.

Sorensen, Harold W. Anhydrous ammonia converter. 3,355,257, 11–28–67, Cl. 23—285.

Sorensen, Leif E., and S. Djernas, said Djernas, assor. to said Sorensen. Hydraulic piston devices cooperating with sliding potentiometers. 3,355,690, 11–28–67, Cl. 338—39.

Sorensen, Phillips N., to The Ohio Crankshaft Co. Power transformer for industrial heating apparatus. 3,300,614, 1–24–67, Cl. 219—10.43.

Sorensen, Robert : *See*—
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Sorenson, Theodore I., and F. C. Shovic. Weighing device with electronic computer. 3,351,236, 11–7–67, Cl. 222—20.

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Sorenson, Glenn P., to MB Associates. Radar reflector rocket. 3,308,759, 3–14–67, Cl. 102—49.

Sorenson, James L. : *See*—
Czorny, Vasil P., Ring, Pannier, and Sorenson. 3,297,030.
Czorny, Vasil P., Ring, Pannier, and Sorenson. 3,324,853.

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Czorny, Vasil P., Ring, Pannier, and Sorenson. 3,297,030.
Czorny, Vasil P., Ring, Pannier, and Sorenson. 3,324,853.

Sorenson, Wayne R., to E. I. du Pont de Nemours and Co. Polyamide esters. 3,312,663, 4–4–67, Cl. 260—47.

Sorenson, Wesley T. Toggle switch with domed, slotted guide plate. 3,327,078, 6–20–67, Cl. 200—67.

Soretz, Stefan, to Tor-Isteg Steel Corp., S.A.H. Spirally ribbed reinforcing bar for concrete. 3,335,539, 8–15–67, Cl. 52—737.

Sorg, Harry H., Jr., to Re Lo Mfg. Co. Can for explosive charge. 3,348,483, 10–24–67, Cl. 10—24.

Sorg, Karl W., and P. Heimbach, to Linde Aktiengesellschaft. Apparatus for separation of liquids from gases. 3,300,951, 1–31–67, Cl. 55—355.

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Sornsen, Wallace V., to Paul E. Hawkinson Co. Bead repair mold. 3,310,838, 3–28–67, Cl. 18—18.

Sornsen, Wallace V., to Paul E. Hawkinson Co. Tire holding apparatus. 3,331,412, 7–18–67, Cl. 144—288.

Soroka, Bernard, to United States of America, Army. Series connected SCR's sequentially fired by consecutive pulses to provide single output pulse and remaining conductive until reset. 3,324,313, 6–6–67, Cl. 307—88.5.

Sorokin, Peter P., to International Business Machines Corp. Lasers. 3,308,395, 3–7–67, Cl. 331—94.5.

Soroos, James P., and P. J. Regan, to The Coleman Co., Inc. Lift and locator assembly for camping trailer kitchen unit. 3,347,591, 10–17–67, Cl. 296—23.

Sorrell, Norwood L., to Foundry Products and Methods, Inc. Cover assembly. 3,331,295, 7–18–67, Cl. 94—34.

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Sosey, William F., and E. J. Tenpas, to Eriez Mfg. Co. Magnetic chuck. 3,320,564, 5–16–67, Cl. 335—285.

Sosin, Boleslaw M., to The Marconi Co. Ltd. Frequency synthesizers, including provisions for the precise electrical control of a variable oscillator. 3,349,338, 10–24–67, Cl. 331—18.

Sosin, Boleslaw M., and R. E. J. Gerard, to The Marconi Co., Ltd. Tuned transistor amplifiers having increased efficiency. 3,325,745, 6–13–67, Cl. 330—13.

Sosnovsky, George, J. W. Garner, and D. E. Laskowski, to The Frederick Post Co. Process of producing azo compounds by heating diazo compositions comprising precursory couplers activable by heat. 3,331,689, 7–18–67, Cl. 96—49.

Sosower, Leon, to Tri-Men Mfg. Corp. Apparatus for removing sediment from swimming pools. 3,310,173, 3–21–67, Cl. 210—169.

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Soto, Enrique. Pleating apparatus and method. 3,297,215, 1–10–67, Cl. 223—28.

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Soto, Ricardo H. Feeding device for infants and method. 3,301,423, 1–31–67, Cl. 215—11.

Soto, Ricardo H. Aseptic draining and support means for flexible bags. 3,306,563, 2–28–67, Cl. 248—224.

Sotome, Kiyoshi. Insecticidal emulsions. 3,329,563, 7–4–67, Cl. 167—42.

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Soubiran, Jean P. Inflatable buoy. 3,321,785, 5–30–67, Cl. 9—316.

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Soucy, Floyd E. Beverage container and straw. 3,325,076, 6–13–67, Cl. 229—7.

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Soudinaitis, Emanuel, to Zenith Radio Corp. Television sweep system with semiconductor switch and energy storage device for expediting its activation. 3,300,680, 1–24–67, Cl. 315—29.

Souffie, Robert D., to E. I. du Pont de Nemours and Co. Abrasion resistant vulcanizates comprising EPD rubber, carbon black, and minor amounts of natural rubber of SBR. 3,331,793, 7–18–67, Cl. 260—4.

Souffie, Robert D., to E. I. du Pont de Nemours and Co. Coating composition containing an ethylene, propylene, nonconjugated diene terpolymer. 3,342,769, 9–19–67, Cl. 260—33.6.

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Soule, Winsor, Jr., and E. P. Binnall, to SCM Corp. Magnetic drum memory and computer. 3,348,215, 10–17–67, Cl. 340—172.5.
Soule, Winsor, Jr., and E. P. Binnall, to SCM Corp. Data processing with typewriter input-output device and typewriter carriage controlled program means. 3,353,163, 11–14–67, Cl. 340—172.5.
Soulen, John R., and W. H. Chappell, Jr., to Pennsalt Chemicals Corp. High temperature, short-contact-time-pyrolysis of chlorodifluoromethane. 3,354,232, 11–21–67, Cl. 260—653.
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Soules, Jack A. Method of producing optical gratings. 3,328,-192, 6–27–67, Cl. 117—37.
Soules, Jack A., and F. T. Byrne. Fast laser switch. 3,328,112, 6–27–67, Cl. 350—285.
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Sousa, Anthony A., to Union Carbide Corp. Microbicidal methods and compositions containing iodocyanoacetylene. 3,321,363, 5–23–67, Cl. 167—22.
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Southam, Frederick W., to Aluminium Laboratories Ltd. Procedures for decomposing gaseous aluminum subhalide. 3,351,461, 11–7–67, Cl. 75—68.
Southard, Creston R. Dish washing machine. 3,310,150, 3–21–67, Cl. 198—24.
Southard, Ralph R., Jr. Threading apparatus. 3,307,344, 3–7–67, Cl. 57—51.5.
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Southwell, Wyndham F., and N. Wehrmann, to L & L Mfg., Inc. Fabric stretching and/or alternately-reversing mechanism for separating fabric pieces from a stack thereof. 3,355,165, 11–28–67, Cl. 271—12.
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Speith, Karl-Georg, and A. Bungeroth, to Mannesmann Aktiengesellschaft. Preventing the overflow of liquid metal from an end casting head discharged in a curved continuous casting path towards the horizontal plane. 3,346,035, 10–10–67, Cl. 164—82.

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Staar, Marcel J. H., to Usines Gustave Staar, S.A. Tape senser for dictating machines. 3,349,192, 10–24–67, Cl. 179—100.2.

Staar, Marcel J. H. Frame for supporting a transparency and sound reproducing material. 3,352,204, 11–14–67, Cl. 88—28.

Staar, Marcel J. H., to Usines Gustave Staar S.A. Combined apparatus for projecting slides and recording and playing sound tapes. 3,357,303, 12–12–67, Cl. 88—28.

Staat der Nederlanden, ten deze Vertegenwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie, de: *See* –
Van Duuren, Hendrik C. A. 3,351,906.

Staats, Henry N. Book binding. 3,353,844, 11–21–67, Cl. 281—17.

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Staats, William A., to Culligan, Inc. Continuous brine pulsing softener. 3,311,552, 3–28–67, Cl. 210—33.

Staats, William A., to Culligan, Inc. Method and apparatus for ion exchange regeneration. 3,347,785, 10–17–67, Cl. 210—35.

Staba, Edward A., to Olin Mathieson Chemical Corp. Crystalline double salt of lead nitroaminotetrazole and lead styphnate. 3,310,569, 3–21–67, Cl. 260—299.

Staba, Edward A., to Olin Mathieson Chemical Corp. Priming composition containing carbon which exhibits conchoidal fracture. 3,321,343, 5–23–67, Cl. 149—24.

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Stabenau, Robert, S. Voelcker, and H. Tutert, to Siemens & Halske Aktiengesellschaft. Type carrier positioning means employing two motors. 3,308,917, 3–14–67, Cl. 197—48.

Stabilac Pty., Ltd.: *See*—
Wentworth, Fitzwilliam A. 3,315,151.
Wentworth, Fitzwilliam A. 3,353,094.

Stabilito, Vincent D., to United States of America, Army. Photomultiplier amplifier and power supply. 3,296,538, 1–3–67, Cl. 328—243.

Stabilito, Vincent D., to United States of America, Army. Single-site monopulse ranging system. 3,303,503, 2–7–67, Cl. 343—112.

Stabilus, Industrie- und Handelsgesellschaft m.b.H.: *See*—
Wustenhagen, Ernst, Gottling, Otto, and Roos. 3,307,-883.

Stacey, David Stearns, to Ball Bros. Research Corp. High speed ultraviolet thin spot detector. 3,348,049, 10–17–67, Cl. 250—83.3.

Stacey, Ernest F., to Rotary Machine Co. Folding machine. 3,317,939, 5–9–67, Cl. 12—55.

Stacey, Hugh J., to Parker-Hannifin Corp. Fluid system and valve assembly therefor. 3,299,903, 1–24–67, Cl. 137—118.

Stach, Kurt, M. Thiel, F. Bickelhaupt, and W. Schaumann, to C. F. Boehringer & Sohne G.m.b.H. Alkoxypiperidine derivatives and their salts. 3,305,547, 2–21–67, Cl. 260—243.

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Fritsch, Werner, and Stache. 3,297,688.

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Stachiw, Jaroslaw D., and P. A. Vonada, to Corning Glass Works. Mechanical coupling for glass and ceramic articles. 3,346,279, 10–10–67, Cl. 285—353.

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Stachurski, Zbigniew O. J. Thermoelectric generator. 3,356,-539, 12–5–67, Cl. 136—205.

Stachurski, Zbigniew O. J. Electrochemical thermo-generator. 3,357,860, 12–12–67, Cl. 136—83.

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Stack, Cedric C. Clamping table. 3,339,912, 9–5–67, Cl. 269—166.

Stack, Ronald D. Fluid flow pump and boosting apparatus. 3,319,579, 5–16–67, Cl. 103—263.
Stack, Roy E., to Pittsburgh Plate Glass Co. Stabilized methyl chloroform compositions with improved evaporation characteristics. 3,326,988, 6–20–67, Cl. 260—652.5.
Stack, Thomas N., to Minnesota Mining and Mfg. Co. Heaters. 3,307,530, 3–7–67, Cl. 126—116.
Stack, Thomas N., to Minnesota Mining and Mfg. Co. Convergent-stream grid-type gas burner. 3,307,612, 3–7–67, Cl. 158—99.
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Daul, Robert M. 3,355,565.
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Mowry, Volney E. 3,311,768.
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Stadden, Richard C. Nonwoven fabric with foam binder. 3,305,429, 2–21–67, Cl. 161—169.
Stadden, Richard C., to Armstrong Cork Co. Method of making inlaid plastic surface covering. 3,325,574, 6–13–67, Cl. 264—73.
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Stade, Gerhard, and G. Stahn, to Herbert Lindner G.m.b.H. & Co., Firma. Thread grinding machine. 3,337,996, 8–29–67, Cl. 51—95.
Stade, Gerhard, and G. Reppin, to Herbert Lindner G.m.b.H. & Co. Profile grinding wheel dressing device. 3,339,537, 9–5–67, Cl. 125—11.
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Staden, Alfred A., to The British Boot, Shoe and Allied Trades Research Association. Method of preshaping shoe uppers. 3,309,725, 3–21–67, Cl. 12—146.
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Staderini, Aldo. Procedure and device for the direct transposition of raised configurations and creation of composite patterns upon plane surfaces. 3,328,884, 7–4–67, Cl. 33—23.
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Stadler, Hans, H. Gawlick, R. Stahlmann, and H. Umbach, to Dynamit Nobel Aktiengesellschaft. Borehole blasting device. 3,307,445, 3–7–67, Cl. 86—20.
Stadler, Hans, H. Gawlick, and H. Bendler, to Dynamit Nobel Aktiengesellschaft. Ignition device. 3,308,758, 3–14–67, Cl. 102—28.
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Stadler, Hans, and H. Gawlick, to Dynamit Nobel Aktiengesellschaft. Method of making lead styphnate primer compositions. 3,320,104, 5–16–67, Cl. 149—24.
Stadler, Hans, T. Schinnerer, H. Umbach, and G. Marondel, to Dynamit Nobel Aktiengesellschaft. Practice ammunition. 3,326,133, 6–20–67, Cl. 102—92.7.
Stadler, Hans, and H. Gawlick, to Dynamit Nobel Aktiengesellschaft. Fixed ammunition. 3,334,587, 8–8–67, Cl. 102—41.
Stadler, Hans, H. Gawlick, and H. Umbach, to Dynamit Nobel Aktiengesellschaft. Cartridge. 3,339,487, 9–5–67, Cl. 102—41.
Stadler, Hans, and H. Gawlick, to Dynamit-Nobel Aktiengesellschaft. Cartridge. 3,340,809, 9–12–67, Cl. 102—39.
Stadler, Hans, T. Schinnerer, and H. Umbach, to Dynamit Nobel Aktiengesellschaft. Target practice ammunition. 3,342,134, 9–19–67, Cl. 102—41.
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Staeudle, Hans, to United States of America, Navy. Circuit to obtain the absolute value of the difference of two voltages. 3,299,287, 1–17–67, Cl. 307—88.5.
Staeudle, Hans, and K. J. Hecker, to United States of America, Navy. Electronic circuit to synchronize automatically the frequency of a PRF generator with the PRF of a video signal. 3,307,114, 2–28–67, Cl. 331—4.
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Stafford, Henry A., to Semco Twist Drill and Tool Co. Twist drill. 3,312,127, 4–4–67, Cl. 77—71.
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Stafiej, Stanley F., and E. A. Takacs, to American Cyanamid Co. Preparation of tertiary amine boranes including pyridyl boranes. 3,305,555, 2–21–67, Cl. 260—290.
Stafiej, Stanley F., and E. A. Takacs, to American Cyanamid Co. Novel boron salts. 3,341,582, 9–12–67, Cl. 260—551.
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Stageberg, Sterling O. Variable speed power transmission with flexible band and drive link. 3,340,743, 9–12–67, Cl. 74—116.
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Stahl, Malte L., to Saab Aktiebolag. Impact absorbing device. 3,354,990, 11–28–67, Cl. 188—1.

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Stahl, Robert L., to Plastic Packaging Co. Package construction. 3,360,183, 12–26–67, Cl. 229—55.

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Stahlecker, Hans, to Spindelfabrik Suessen, Schurr Stahlecker & Grill G.m.b.H. Twin pressure rollers for spinning or twisting machines. 3,345,722, 10–10–67, Cl. 29—116.

Stahlecker, Hans, and S. Kemmler, to Wilhelm Stahlecker G.m.b.H. Device for measuring the load on the pressure rollers of a drawing mechanism. 3,299,699, 1–24–67, Cl. 73—141.

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Stata, Stanley S. Floor gratings and accompanying dirt and water receptacles for motor vehicles. 3,312,498, 4–4–67, Cl. 296—1.
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Stella, Patrick S., to Wagner Electric Corp. Automatic adjusting mechanism. 3,299,993, 1–24–67, Cl. 188—79.5.

Stella, Patrick S., to Wagner Electric Corp. Automatic adjusting mechanism. 3,299,995, 1–24–67, Cl. 188—79.5.

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Stelzer, William, to Kelsey-Hayes Co. Pressure proportioning valve. 3,315,469, 4–25–67, Cl. 60—54.5.

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Stephan, Paul G., to E. I. du Pont de Nemours and Co. Article of manufacture. 3,349,956, 10–31–67, Cl. 220—97.
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Stephenson, Edward E., to Brown Co. Laminated closure for food trays and trays closed with same. 3,298,593, 1–17–67, Cl. 229—43.
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Sterling, George B., and C. E. Pawloski, to The Dow Chemical Co. 2-methyl-2-phenyl-1,3-dioxa-2-sila-cyclohept-5-ene. 3,337,598, 8–22–67, Cl. 260—448.8.
Sterling, George B., and C. E. Pawloski, to The Dow Chemical Co. 2-propynyloxy derivatives of substituted bisphenols. 3,340,308, 9–5–67, Cl. 260—613.
Sterling, George B., and C. E. Pawloski, to The Dow Chemical Co. (2-propynyloxy) derivatives of substituted benzophen. 3,349,133, 10–24–67, Cl. 260—591.
Sterling, Henley F., and C. F. Drake, to International Standard Electric Corp. Method of masking making semiconductor and etching beneath mask. 3,306,788, 2–28–67, Cl. 148—175.
Sterling, Howard T., to Packard Instrument Co., Inc. Digital programmer for controlling variable condition. 3,321,608, 5–23–67, Cl. 235—151.1.
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Sterling, Walter S., to Pneumatic Scale Corp., Ltd. Closure handling apparatus. 3,297,133, 1–10–67, Cl. 198—33.
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Stern, David R., and R. M. Gundzik, to American Potash & Chemical, Corp. Process for treating a gaseous mixture containing titanium dioxide. 3,310,377, 3–21–67, Cl. 23—202.
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Sternbach, Leo H., and A. Stempel, to Hoffmann-La Roche Inc. Hydroxy or alkoxy substituted 5-phenyl-3H-1,4-benzodiazepin-2(1H)-ones. 3,336,295, 8–15–67, Cl. 260—239.3.
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Sternberg, James C., to Beckman Instruments, Inc. Fragmentation apparatus for characterization of sample compositions. 3,322,500, 5–30–67, Cl. 23—253.
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Steuernagel, Walter, to Metallgesellschaft Aktiengesellschaft. Electrostatic gas filter electrode. 3,328,940, 7–4–67, Cl. 55—131.
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Stevens, William D., and W. P. Gorzegno, to Foster Wheeler Corp. Reheater and superheater circuit arrangement. 3,345,975, 10–10–67, Cl. 122—406.

Stevens, William W., to The McKay Machine Co. Expansible-contractable reel. 3,319,902, 5–16–67, Cl. 242—72.1.

Stevens, William Y., to International Business Machines Corp. Efficient utilization of control storage and access controls therefor. 3,325,785, 6–13–67, Cl. 340—172.5.

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Stevenson, Robert W., to Mobil Oil Corp. Dyeable polypropylene. 3,355,416, 11–28–67, Cl. 260—41.

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Stewart, Alexander, R. A. Cresswell, and M. H. Bryan-Brown, to Rolls-Royce Ltd. Mounting arrangement for lift engines. 3,327,971, 6–27–67, Cl. 244—54.

Stewart, Alfred W., to Datron Systems, Inc. Tabulating card feed. 3,360,259, 12–26–67, Cl. 271—41.

Stewart, Aubrey P., Jr., to Nodaway Valley Foods, Inc. Process for producing aseptically canned milk. 3,340,072, 9–5–67, Cl. 99—212.

Stewart, Aubrey P., Jr., to Nodaway Valley Foods, Inc. Process for stabilizing sterilized milk. 3,348,955, 10–24–67, Cl. 99—151.

Stewart, Bruce E., and J. B. Lyman, to Whirlpool Corp. Water level control. 3,331,374, 7–18–67, Cl. 134—56.

Stewart, Charles R., Jr., to Eli Lilly and Co. Protective sleeve for bagged products. 3,331,501, 7–18–67, Cl. 206—65.

Stewart, Charles W. Meter bar. 3,296,859, 1–10–67, Cl. 73—201.

Stewart, Clare A., Jr., to E. I. du Pont de Nemours and Co. Reaction product of an isocyanate-terminated polyurethane and an ammonia formaldehyde condensate and process of preparing same. 3,355,431, 11–28–67, Cl. 260—72.

Stewart, David C., Sr. Tobacco elevators. 3,344,889, 10–3–67, Cl. 187—9.

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Stewart, Dillard W. Torque transmitting employing for irrigation wheel. 3,312,236, 4–4–67, Cl. 137—344.

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Stewart, Duncan J., E. D. Lilja, and L. B. Slichter, to United States of America, Navy. Submarine attack director. 3,300,860, 1–31–67, Cl. 33—1.

Stewart, Edgar R. Shopping bag cover and carrier. 3,301,453, 1–31–67, Cl. 224—49.

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Stewart, Edward C., to Lyon Metal Products, Inc. Color insert plate. 3,338,649, 8–29–67, Cl. 312—204.

Stewart, Edward R. Brake-drive assembly for miniature racing cars. 3,350,953, 11–7–67, Cl. 74—411.5.

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Bagwell, Charles C., Jr., and Stewart. 3,307,801.

Stewart, Faye H. Load lifting and transport system and method. 3,359,919, 12–26–67, Cl. 104—22.

Stewart, Florentine U. Frozen bread package. 3,330,671, 7–11–67, Cl. 99—172.

Stewart, Francis M., III. Combination fishing lure and hook guard. 3,352,051, 11–14–67, Cl. 43—42.1.

Stewart, Frederick G., and W. W. Simpson. Air hose mounting support. 3,344,935, 10–3–67, Cl. 213—1.

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Stewart, Gerald E. Razor sharpener. 3,295,397, 1–3–67, Cl. 76—81.7.

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Stewart, Harold P. and H. A. Fishing tackle. 3,332,163, 7–25–67, Cl. 43—44.86.

Stewart, Harry D. Process of measuring pills. 3,347,324, 10–17–67, Cl. 177—1.

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Genauer, Larry, Stewart, and Essigmann. 3,333,823.

Stewart, Harvey M.: *See*—
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Sigety, Julius B., Arnold, Stewart, and Harbin. 3,327,839.

Stewart, James R., to United Shoe Machinery Corp. Automatic shoe handling means. 3,334,367, 8–8–67, Cl. 12—1.

Stewart, James R., to United Shoe Machinery Corp. Automatic transfer devices. 3,337,021, 8–22–67, Cl. 198—31.

Stewart, James U. Liquid dispensing container with bellows. 3,341,083, 9–12–67, Cl. 222—209.

Stewart, Jefferson E. Key chain tag holder. 3,314,548, 4–18–67, Cl. 211—13.

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Sprague, Robert H., Stewart, and Lewis. 3,342,602.
Sprague, Robert H., Stewart, and Lewis. 3,342,604.
Sprague, Robert H., Stewart, and Lewis. 3,351,467.

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Stewart, John K., to Canada Iron Foundries, Ltd. Railway track tamping apparatus. 3,343,497, 9–26–67, Cl. 104—12.

Stewart, John K., and H. R. E. Von Beckmann. High frequency surveying device. 3,298,105, 1–17–67, Cl. 33—60.

Stewart, John K., and D. T. Macris. Spike driver. 3,330,220, 7–11–67, Cl. 104—17.

Stewart, John L., to Santa Rita Technology, Inc. Sound analyzing system. 3,325,597, 6–13–67, Cl. 179—1.

Stewart, John R., to Geigy Chemical Co. Process for the production of multi-colored woolen goods. 3,310,361, 3–21–67, Cl. 8—15.

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Stewart, Lawrence L., Jr., to Philip Morris, Inc. Process for the production of electrets. 3,316,620, 5–2–67, Cl. 29—155.5.
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Stewart, Neil R., to Radio Corp. of America. Lamp driver circuits. 3,346,770, 10–10–67, Cl. 315—194.
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Stewart, Richard P., to Omstell Industries, Inc. Moldboard wing. 3,348,322, 10–24–67, Cl. 37—155.
Stewart, Robert F., to United States of America, Interior. Apparatus and process for continuous measurement of moisture in moving coal by neutron thermalization. 3,353,021, 11–14–67, Cl. 250—83.1.
Stewart, Ross E., to Clevite Corp. Vibration isolating mount. 3,330,522, 7–11–67, Cl. 248—358.
Stewart, Ross E., and R. T. Drake, to Clevite Corp. Corrugated resilient mount. 3,350,042, 10–31–67, Cl. 248—22.
Stewart, Russell T. and William D. Stereoscopic picture camera and lenticular screen assembly therefor. 3,301,154, 1–31–67, Cl. 95—18.
Stewart, Sid G. Map holder. 3,328,899, 7–4–67, Cl. 35—40.
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Stewart, Vernon G., to Mission Mfg. Co. Percussion bit. 3,357,507, 12–12–67, Cl. 175—410.
Stewart, Walter N., to United States of America, Army. Drop and spin test apparatus. 3,329,014, 7–4–67, Cl. 73—167.
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Stewart, Warren A., to Koppers Co., Inc. Apparatus for the manufacture of corrugated paperboard. 3,347,732, 10–17–67, Cl. 156—497.
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Stewart, William G., and A. Baekken, to Canadian Patents and Development Ltd. Helicopter rapid securing device. 3,303,807, 2–14–67, Cl. 114—43.5.
Stewart, William M. Oscillator trigger circuit including unidirectional conducting device in the feedback path thereof. 3,310,754, 3–21–67, Cl. 331—112.
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Stickelber, Merlin A., to Marion Corp. Continuous dough mixer. 3,332,368, 7–25–67, Cl. 107—36.
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Stickney, Truman M.: *See*—
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Stiefel, Rudy C. Data listing device. 3,299,556, 1–24–67, Cl. 40—124.
Stiefvater, Gerhard W., and R. Y. H. Bremner; said Bremner assor. to said Stiefvater. Vehicle brake structure. 3,337,005, 8–22–67, Cl. 188—2.
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Stiehl, Fritz, to Kontispira Gesellschaft mit beschrankter Haftung fur Eisen-U Melallverarbeitung. Process for the reduction of acid losses and for the regulation of the water content in metal etching baths for wires and ribbons and device therefor. 3,329,542, 7–4–67, Cl. 156—19.
Stiehl, Karl, and H. Franz, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Air pervious composite fabric. 3,301,740, 1–31–67, Cl. 161—98.
Stiehl, Karl, and K. Oberlander, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Method of producing air permeable sheet material. 3,307,961, 3–7–67, Cl. 117—4.
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Stielow G.m.b.H.: *See*—
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Stieltjes, Frederik H., G. Diemer, and L. Heijne, to North American Philips Co. Inc. Radiation-sensitive semiconductor device having a substantially linear current-voltage characteristic. 3,324,297, 6–6–67, Cl. 250—211.
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Stier, Irvin E., to United States of America, Army. Electrical conductors angularly joined with sheet metal connector having struck out tabs. 3,297,817, 1–10–67, Cl. 174—87.
Stier, Otto, to Vollmer Werke Maschinenfabrik G.m.b.H. Process and apparatus for sharpening the teeth of saw blades. 3,308,688, 3–14–67, Cl. 76—43.
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Stievenart, Emile F., and K. Phleps, to Agfa-Gevaert N.V. Photographic copying apparatus stripping mechanism. 3,348,839, 10–24–67, Cl. 271—64.
Stifelman, Jack. Key case. 3,354,678, 11–28–67, Cl. 70—456.
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Stihl, Andreas and P., H. Hase, and K. Gutjahr, to Andreas Stihl Maschinenfabrik. Oil conduit system for motor saws. 3,324,971, 6–13–67, Cl. 184—14.
Stihl, Andreas, and K. Gutjahr, to A. Stihl. Method of connecting a drum to a sprocket wheel. 3,337,940, 8–29–67, Cl. 29—159.

Stihl, Andreas, and A. Rätz, to Andreas Stihl Maschinenfabrik. Tooth link for motor chain saws. 3,360,022, 12–26–67, Cl. 143—135.

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Stilwell, William E., Jr., deceased (by F. H. Stilwell, executrix). Combined self-heating washer-driers and control apparatus therefor. 3,347,065, 10–17–67, Cl. 68—12.

Stilz, Walter, H. Pommer, H. Biczysko, and H. Fessmann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Stabilized linear polyamides with Schiff's base. 3,321,436, 5–23–67, Cl. 260—458.

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Stimler, Morton. System for phase (frequency) modulation of an RF carrier for low frequency signal. 3,328,712, 6–27–67, Cl. 330—10.

Stimler, Morton, and R. E. Grantham, to United States of America, Navy. Output energy indicating optical maser. 3,307,448, 3–7–67, Cl. 88—23.

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Stinson, Joseph B.: *See*—
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Stinson, Richard W., to Western Electric Co., Inc. Signal limits detector. 3,351,927, 11–7–67, Cl. 340—248.

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Stirling, Harold T., to Stirling Sintering Co. Reclamation of material. 3,326,669, 6–20–67, Cl. 75—5.

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Stirling, Leo M. Ventilating apparatus. 3,349,998, 10–31–67, Cl. 230—114.

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Stith, Robert C. Expansible chair. 3,316,018, 4–25–67, Cl. 297—440.

Stitt, Robert L., to SMC Corp. Mechanical connection. 3,352,343, 11–14–67, Cl. 151—31.

Stivers, Edward C., to Raychem Corp. Flame retardant systems and compositions. 3,340,226, 9–5–67, Cl. 260—45.75.

Stivers, Edward C., to Raychem Corp. Aluminum tetrabromophthalate. 3,354,191, 11–21–67, Cl. 260—448.

Stiward, Rune I. Hydraulic brake system with improved filler cap. 3,296,396, 1–3–67, Cl. 200—84.

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Stocchi, Virgilio, A. Ferin, and A. Magelli, to Montecatini Edison S.p.A. Process for the depuration of acetylene contained in the gases obtained by cracking of hydrocarbons. 3,350,473, 10–31–67, Cl. 260—679.

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Stock, Hans J., to Franz Morat G.m.b.H. Arrangement for synchronizing program controlled machine operations with machine movements. 3,313,129, 4–11–67, Cl. 66—154.

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Stockton, Thomas R., to Ford Motor Co. Transmission. 3,299,740, 1–24–67, Cl. 74—677.
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Stockton, Thomas R., to Ford Motor Co. Transmission braking arrangement. 3,300,001, 1–24–67, Cl. 192—4.
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Stoll, Gottlieb. Device for automatic belt massage. 3,344,783, 10–3–67, Cl. 128—63.
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Stolle, Ralph J., E. G. Kaminski, and F. J. Close, to The Stolle Corp. Scored metal can. 3,339,789, 9–5–67, Cl. 220—54.
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Stone, David, to National Research Development Corp. Electrical digital computing engines. 3,349,377, 10–24–67, Cl. 340—172.5.
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Stone, Richard M., to United States of America, Navy. Infrared temperature and frequency compensation circuit. 3,296,441, 1–3–67, Cl. 250—83.3.
Stone, Robert L., and G. T. Burress, to Tracor, Inc. Thermocouple for DTA. 3,298,220, 1–17–67, Cl. 73—15.
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Stoneburner, Madison B. Fiberglass bathtub, enclosure and other household utilities. 3,359,574, 12–26–67, Cl. 4—173.
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Stoner, Arthur M., and R. L. Paquin, to Aldoc, Inc. Device for cooling or keeping cool a beverage container. 3,302,-428, 2–7–67, Cl. 62—457.
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Stoothoff, Stanley T. and W. W. 3,359,150.
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Stop-Motion Devices Corp.: *See*—
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Vossen, Edward. 3,323,333.
Stopek, Benjamin, to Ideal Toy Corp. Convertible toy cradle and crib for a doll. 3,335,433, 8–15–67, Cl. 5—105.
Stopfix-Bremse Schroter & Co.: *See*—
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Natta, Giulio, Porri, Stoppa, and Carbonaro. 3,300,467.
Stoppe, Willy G. Fuel tank. 3,295,799, 1–3–67, Cl. 244—135.
Stoppe, Willy G., ½ to N. Vos. Variable lift wing. 3,307,-807, 3–7–67, Cl. 244—48.
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Jonsson, Stig E. L. 3,325,877.
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Storch, Bernard. Adjustable anchoring means for masonry walls. 3,353,312, 11–21–67, Cl. 52—713.
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Storch, Harold A., to Federal Screw Works. Bearing gauge. 3,308,546, 3–14–67, Cl. 33—174.
Storch, Harold A., to Federal Screw Works. Lock nut. 3,311,146, 3–28–67, Cl. 151—21.
Storch, Harold A., to Federal Screw Works. Taper bolt assembly. 3,317,228, 5–2–67, Cl. 287—189.36.
Storch, Harold A., to Federal Screw Works. Fastener assembly for angular joint. 3,355,200, 11–28–67, Cl. 287—101.
Storchheim, Samuel, to Alloys Research & Mfg. Corp. Aluminous sintered parts and techniques for fabricating same. 3,301,671, 1–31–67, Cl. 75—200.
Storchheim, Samuel, to Alloys Research & Mfg. Corp. Method of forming porous aluminum strip. 3,331,684, 7–18–67, Cl. 75—208.
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Storey, Alvin B., to Celanese Corp. Warp beam winding arbor. 3,315,906, 4–25–67, Cl. 242—46.21.
Storey, Bayard T., L. M. Miller, and W. Fries, to Rohm & Haas Co. Weakly basic anion exchange resins prepared from acrylonitrile-polyethylenically unsaturated compounds reacted with diamines and process for making same. 3,311,-572, 3–28–67, Cl. 260—2.1.
Storey, J. A.: *See*—
York, Archie W. 3,319,157.
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Storm, Herbert F., to General Electric Co. Phase controlled alternating current power circuits using bidirectional conducting devices. 3,348,128, 10–17–67, Cl. 323—4.
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Story, Malcolm C. Wire stretcher. 3,348,812, 10–24–67, Cl. 254—161.
Story, Wayne G. Feed control mechanism for quilting machine arrangement. 3,354,850, 11–28–67, Cl. 112—118.
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Stott, Albert M., and O. Nimylowycz, to United States of America, Army. Mounting mechanism. 3,318,034, 5–9–67, Cl. 42–1.
Stott, Alfred B., R. Hemingway, and B. Parker, to Dawson, Payne & Elliott, Ltd. Apparatus for conveying hollow articles to a printing station. 3,313,392, 4–11–67, Cl. 198—19.
Stott, Ted. H. H. Schulze, and L. J. Gunyou, to Avco Corp. Corn grinder for field operation. 3,349,823, 10–31–67, Cl. 146—79.
Stott, Thomas C. F., to General Motors Corp. Flywheel assemblies. 3,299,735, 1–24–67, Cl. 74—572.
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Stott, Thomas C. F., to General Motors Corp. Noise reduction of toothed gears. 3,329,037, 7–4–67, Cl. 74—437.
Stouffer, Ronald D., to Martin-Marietta Corp. Acceleration-sensitive devices and systems. 3,335,612, 8–15–67, Cl. 73—490.
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Stover, Emory F. Vane type flow meter. 3,298,230, 1–17–67, Cl. 73—228.
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Stover, William A., J. L. Warthen, and W. S. Briggs, to W. R. Grace & Co. Method of treating exhaust gases of internal combustion engines. 3,304,150, 2–14–67, Cl. 23—2.
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Moreo, Robert E. 3,296,706.
Twickler, George H. 3,350,252.
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Straley, James M., D. J. Wallace, and M. A. Weaver, to Eastman Kodak Co. Mono azo dyes for synthetic fibers. 3,346,552, 10–10–67, Cl. 260—158.
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Strand, Sanford M., to Cutler-Hammer, Inc. Digital motor speed and position regulator for low speed operation. 3,349,308, 10–24–67, Cl. 318—314.
Strand, Sanford M., and P. M. Kintner, to Cutler-Hammer, Inc. Digital speed and position regulating motor control system. 3,331,006, 7–11–67, Cl. 318—314.
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Strange, John W., and A. L. Halberstadt, to British Lighting Industries Ltd. Mounting of tungsten-halogen lamps. 3,360,-765, 12–26–67, Cl. 339—50.
Strange, Lloyd K., J. E. Marberry, and D. S. Koons, to Mobil Oil Corp. Thermal recovery method for oil sands. 3,346,048, 10–10–67, Cl. 166—11.
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Strasheim, Albertus, to South African Invention Development Corp. Photoelectric attachment for spectrometric or spectrographic apparatus. 3,350,567, 10–31–67, Cl. 250—226.
Strass, Wilfried, to Linde Aktiengesellschaft. Expansion-turbine nozzle ring and apparatus incorporating same. 3,350,-061, 16–31–67, Cl. 253—40.
Strassberg, Daniel D., to Hewlett-Packard Co. Event recorders employing semiconductive switching elements. 3,335,-422, 8–8–67, Cl. 346—74.
Strassberg, Maximilien. Guiding device. 3,304,133, 2–14–67, Cl. 308—6.
Strassberg, Maximilien. Double-thrust bearings. 3,304,137, 2–14–67, Cl. 308—174.
Strassburger, Julius H., to National Steel Corp. Blast furnace automatic control apparatus. 3,346,250, 10–10–67, Cl. 266—30.
Strasser, Joseph P., M. J. Hatch, and F. L. Knochel, to The Dow Chemical Co. Textile backing agent comprising an aqueous dispersion of a carboxyl-containing copolymer and the reaction product of epichlorohydrin with an alkylene polyamine. 3,321,432, 5–23–67, Cl. 260—29.7.
Strasser, Joseph P., M. J. Hatch, and F. L. Knochel, to The Dow Chemical Co. Textile fabric backsizing composition process for treating textile fabric therewith and the treated fabric. 3,332,797, 7–25–67, Cl. 117—139.5.
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Stratton, Boyd L., to Ampex Corp. Transistorized multivibrator modulator with starting circuit. 3,334,315, 8–1–67, Cl. 332—14.
Stratton, Boyd L., and B. E. Guisinger, to Ampex Corp. Frequency multiplying monostable multivibrator. 3,304,-439, 2–14–67, Cl. 307—88.5.
Stratton, Bruce D. Ski pole with lock. 3,335,585, 8–15–67, Cl. 70—58.
Stratton, Charles A., to Phillips Petroleum Co. Drilling fluids and additives therefor. 3,344,063, 9–26–67, Cl. 252—8.5.
Stratton, Cleo C. Power control locking means. 3,330,528, 7–11–67, Cl. 251—89.
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Straub, Carl, to Brevetti Omnitec. Stop light switch for vehicles. 3,300,604, 1–24–67, Cl. 200—61.89.
Straub, Lothar. Means for eliminating interfering diffraction effects originating at the edges of a mirror. 3,300,-268, 1–24–67, Cl. 350—296.
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Straw, Eldred G., to Walker Mfg. Co. Muffler. 3,329,237, 7–4–67, Cl. 181—48.

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Streed, Carl W., to Mobil Oil Corp. Jet fuel production. 3,328,289, 6–27–67, Cl. 208—89.

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Stults, Howard G. Weigher-controlled feed dispensing device providing predetermined feeding schedule. 3,302,737, 2–7–67, Cl. 177—114.

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Sturm, Dietrich H. Collapsible mop frame. 3,304,567, 2–21–67, Cl. 15—147.

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Sturm, Walter, to Quarzlampen Gesellschaft m.b.H. Apparatus for testing a material's reaction to illumination and humidity with capacitor-type humidity detector. 3,353,025, 11–14–67, Cl. 250—215.

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Subirana, Antonio E., to Laboratoires Om Societe Anonyme. p-Dihydroxybenzene-sulfonate of diethylamine. 3,354,201, 11–21–67, Cl. 260—501.21.

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Suzuki, Noboru, and T. Yoshino, to Shimizu Suisan Kabushiki Kaisha. Hydraulic division of fruits. 3,351,113, 11–7–67, Cl. 146—230.
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Suzumura, Hideo, K. Hirano, and T. Chiba, to Kurashiki Rayon Co., Ltd. Non-sticky water-soluble polyvinyl alcohol film. 3,316,190, 4–25–67, Cl. 260—17.4.
Suzumura, Hideo, and H. Miyahara, to Kurashiki Rayon Co., Ltd. Alkaline coating composition of dialdehyde starch, polyvinyl alcohol and clay. 3,324,057, 6–6–67, Cl. 260—17.4.
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Svendsen, Konrad S., to Combustion Engineering, Inc. Support for roof tubes of a fluid heater. 3,301,226, 1–31–67, Cl. 122—510.

Svendsen, Konrad S., to Combustion Engineering, Inc. Drum rocking support for carrying heavy loads. 3,312,199, 4–4 67, Cl. 122—510.

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Swain, Ernest. Removable tile and fastener assembly. 3,303,624, 2–14–67, Cl. 52—496.

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Swakon, Edward A., to Standard Oil Co. Ureas and alcohol products. 3,317,599, 5–2–67, Cl. 260—553.

Swakon, Edward A., to Standard Oil Co. Digestion with alkali metal hydroxide and carbonyl sulfide. 3,318,761, 5–9–67, Cl. 162—82.

Swakon, Edward A., to Standard Oil Co. Preparation of urea and cyanoalkylthioethers. 3,330,852, 7–11–67, Cl. 260—465.8.

Swakon, Edward A., to Standard Oil Co. Alkylenemonothiolcarbonate preparation. 3,357,991, 12–12–67, Cl. 260—327.

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Swan, William S. Coffee dispenser with built-in grinder. 3,327,-615, 6–27–67, Cl. 99—286.

Swanda, Howard F. Tube coupling tool. 3,308,529, 3–14–67, Cl. 29—237.

Swanke, Roy L., to Dynamics Corp. of America. Removable handle. 3,305,261, 2–21–67, Cl. 294—16.

Swanke, Roy L., and A. P. Cawl, to General Electric Co. Power driven carving knife. 3,315,356, 4–25–67, Cl. 30—272

Swanke, Roy L., and R. J. Rogenski, to Dynamics Corp. of America. Removable blade assembly. 3,319,938, 5–16–67, Cl. 259—107.

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Swann, George R.: *See*—
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Swanson, Arthur F., to Ideal Industries, Inc. Insulated connector. 3,350,499, 10–31–67, Cl. 174—87.

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Swanson, Douglas L., to Swanson-Erie Corp. Process for cutting rigid tubing. 3,318,500, 5–9–67, Cl. 225—2.

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Swanson, George A., to United States of America, Interior. Automatic plankton sampling system. 3,310,984, 3–28–67, Cl. 73—421.
Swanson, Gunnar E. Catch for packing case or the like. 3,295,877, 1–3–67, Cl. 292—111.
Swanson, Gunnar E., to The Nielsen Hardware Corp. Box construction. 3,338,449, 8–29–67, Cl. 217—56.
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Swanson, Howard M. Device for inducing motion to a joint. 3,323,518, 6–6–67, Cl. 128—25.
Swanson, Jerald J. Hay stack former and feeder. 3,336,908, 8–22–67, Cl. 119—60.
Swanson, John A., to AMP Inc. Core device. 3,298,003, 1–10–67, Cl. 340—174.
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Swanson, Norman, and J. B. Lovett, to The Dow Chemical Co. Apparatus and method for treating particulate material. 3,295,930, 1–3–67, Cl. 23—286.
Swanson, Paul O. Luggage rack. 3,325,027, 6–13–67, Cl. 214—450.
Swanson, Plin J. Aquafield. 3,298,638, 1–17–67, Cl. 244—114.
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Swanson, Richard M., to Bell Telephone Laboratories, Inc. Immediate ringing circuit for telephone systems. 3,350,508, 10–31–67, Cl. 179—18.
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Swanson, Roger I. Pre-stressed snow coaster. 3,352,567, 11–14–67, Cl. 380—12.
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Swanson, William D., to National Steel Corp. Wall construction and element. 3,315,429, 4–25–67, Cl. 52—588.
Swanson, William W. Measuring and dispensing canister. 3,356,268, 12–5–67, Cl. 222—288.
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Swart, Gilbert H., to The General Tire & Rubber Co. 4-substituted-2,6-tolylene diisocyanate. 3,322,809, 5–30–67, Cl. 260—453.
Swart, Kenneth H., and W. P. Robinson, to Smith Industries International Inc. Lubrication and sealing of well drilling bit. 3,299,973, 1–24–67, Cl. 175—371.
Swarthout, Earl J., to Miles Laboratories, Inc. Process for defecation of sugar solutions. 3,314,818, 4–18–67, Cl. 127—48.
Swartley, Richard H., to Varian Associates. Adjustable electromagnetic coupling apparatus. 3,324,425, 6–6–67, Cl. 333—24.
Swartwood, Ira T., and R. A. Sampson. Handle device. 3,311,252, 3–28–67, Cl. 215—100.
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Swartz, Allen I., to Tra-Con, Inc. Blending device. 3,332,670, 7–25–67, Cl. 259—144.
Swartz, Charles A. Pumping device. 3,338,170, 8–29–67, Cl. 103—148.
Swartz, Edward. Watertight repairable electric plug. 3,307,-138, 2–28–67, Cl. 339—89.
Swartz, Elmer L., to United States of America, Army. Fluid oscillator. 3,320,966, 5–23–67, Cl. 137—81.5.
Swartz, Elmer L., to United States of America, Army. Impedance-matching fluid amplifier. 3,329,152, 7–4–67, Cl. 137—81.5.
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Swartz, Paul S., to General Electric Co. Method for producing a superconductive solenoid disc. 3,333,331, 8–1–67, Cl. 29—599.
Swartz, Paul S., and R. L. Fleischer, to General Electric, Co. Superconductors containing a fissionable metal or boron impurity. 3,310,395, 3–21–67, Cl. 75—122.5.
Swartz, Paul S., and H. R. Hart, Jr., to General Electric Co. Superconductive electronic device. 3,333,218, 7–25–67, 335—216.
Swartz, Paul S., and C. H. Rosner, to General Electric Co. Superconductive body of niobium-tin. 3,351,437, 11–7–67, Cl. 29—182.
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Swartz, William: *See*—
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Swartz, William. Process for making three dimensional display items. 3,301,728, 1–31–67, Cl. 156—220.
Swartz, William M. Advertising display. 3,300,367, 1–24–67, Cl. 161—113.
Swartz, William M. Heat motor and dust shield therefor. 3,304,640, 2–21–67, Cl. 40—106.54.
Swartz, William M. Sign for window or the like. 3,325,936, 6–20–67, Cl. 40—132.
Swatek, Robert C., J. W. Schulz, and T. P. Taquino, to Schulz Tool and Mfg. Co. Probe with sliding sealed nozzle. 3,352,332, 11–14–67, Cl. 141—349.
Swatman, Peter P., and J. N. Morris, to S.V. Carburetter Co. Ltd. Carburetters for internal combustion engines. 3,301,536, 1–31–67, Cl. 261—44.
Swatt, Leonard W., to Acme Spring Co. Box spring construction. 3,337,882, 8–29–67, Cl. 5—239.
Swearengen, Jack C., to FMC Corp. Method of and apparatus for conveying waxed articles. 3,326,309, 6–20–67, Cl. 177—1.
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Swearingen, Judson S. Machine support. 3,327,977, 6–27–67, Cl. 248—2.
Swearingen, Judson S. Oil free turbine assembly. 3,360,239, 12–26–67, Cl. 253—39.
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Clark, Charles W., Jr. Re. 26,288.
Halverson, Maynard L., and Patch. 3,330,129.
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Schick, Eugene G., and Church. 3,354,014.
Swee, Eugene A., to Miner Industries, Inc. Battery powered lighting device. 3,355,582, 11–28–67, Cl. 240—10.
Swee, Eugene A., and E. M. Kelly, to Miner Industries, Inc. Removable insert for wig carrying and storage case. 3,312,-439, 4–4–67, Cl. 248—176.
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Sweeney, David F., to Anelex Corp. Fully checked electronic printing system. 3,323,450, 6–6–67, Cl. 101—93.
Sweeney, Edward E., and K. E. Stroup. Food package adapted for heating. 3,322,319, 5–30–67, Cl. 229—3.5.
Sweeney, George J.: *See*—
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Sweeney, John A. Metering and dispensing device having reciprocating fluid actuating discharge means. 3,338,480, 8–29–67, Cl. 222—334.
Sweeney, John M. Method of constructing a hyperbolic concrete shell for a water-cooling tower. 3,304,351, 2–14–67, Cl. 264—32.

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Sweeney, Joseph P., to AMP, Inc. Information display and storage means employing multi-aperture transfluxors. 3,357,010, 12–5–67, Cl. 340—324.
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Szarvasi, Etienne, and M. Bayssat, to Lipha, Lyonnaise Industrielle Pharmaceutique. Tertiary aminoethyl [beta-(naphthyl)-beta-tetrahydrofuryl isobutane] and alpha lower alkenyl ethers. 3,347,858, 10–17–67, Cl. 260—247.7.
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Szawlowski, Theodore H., and W. E. Kramer, to Union Oil Co. of California. Asphalt-epoxy resin compositions cured with acid amides of petroleum derived acids. 3,326,830, 6–20–67, Cl. 260—28.

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Szczepanek, Alfred, and G. Koenen, to Chemische Fabrik Hoesch K.-G. Liquid stabilizers for vinyl chloride resins comprising metal salts of epoxidized fatty acids. 3,298,964, 1–17–67, Cl. 252—400.

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Szczepanek, Alfred, and G. Koenen, to Chemische Fabrik Hoesch K.G. Process for the preparation of dibasic lead salts of inorganic acids. 3,323,859, 6–6–67, Cl. 23—69.

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Szego, Joseph. Safety container for explosive fluids. 3,356,-256, 12–5–67, Cl. 220—88.

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Szerenyi, Andrew, and A. Liebscher, to Ro-Search, Inc. Antiskid soles. 3,295,230, 1–3–67, Cl. 36—59.

Szerlip, Alexander, to Hughes Aircraft Co. Frequency diversity radar ranging system. 3,324,469, 6–6–67, Cl. 343—17.2.

Szilagyi, Istvan. Spark plugs of the preigniting chamber type. 3,331,976, 7–18–67, Cl. 313—11.5.

Szmuszkovicz, Jacob, to The Upjohn Co. Method of treating mental depression. 3,296,072, 1–3–67, Cl. 167—65.

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Szobel, Laszlo, and L. Parvi, to Societe d'Electro-Chimie d'Electro Metallurgie et des Acieries Electriques d'Ugine. Novel self-extinguishing polyesters prepared from polyols of perchlorinated diaminodiphenyls. 3,303,240, 2–7–67, Cl. 260—869.

Szobel, Laszlo, and L. Parvi, to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieres Electriquies d'Ugine. Diamino-polychlorodiphenyl compounds. 3,308,158, 3–7–67, Cl. 260—570.5.

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Szodfridt, Emmerich, to Firma Dr. Ing. h.c.F. Porsche KG. Transmission control system. 3,324,745, 6–13–67, Cl. 74—752.

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Szpytman, Jack J. Parking garage for depressed roadways. 3,319,385, 5–16–67, Cl. 52—169.

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Szydlowski, Joseph. Gas turbines and applications thereof. 3,299,631, 1–24–67, Cl. 60—39.28.

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Szydlowski, Joseph. Annular combustion chambers for gas turbine engines. 3,304,713, 2–21–67, Cl. 60—39.65.

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Takahata, Kenichi. Pneumatic driving gear. 3,354,787, 11–28–67, Cl. 91—222.

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Tate, Malcolm C., and C. D. Bradley, to A. H. Emery Co. Batch weigher with respective dials for successive loads and total weight. 3,356,169, 12–5–67, Cl. 177—17.

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Tatum, Roy E., to Blakely Products Co. Plaster edge strips. 3,345,789, 10–10–67, Cl. 52—367.

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Taub, David, and N. L. Wendler, to Merck & Co., Inc. Process of oxidizing hydroxy phenyl alanines to hydroxy benzyl alkyl ketones. 3,347,928, 10–17–67, Cl. 260—590.

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Taub, Jesse J., and J. Goldberg, to Cutler-Hammer, Inc. Multi-mode microwave power meter having oversized measuring waveguide section with probes on all four walls. 3,327,212, 6–20–67, Cl. 324—95.

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Taube, Carl, K. Bockmann, and K.-H. Freytag, to Farbenfabriken Bayer Aktiengesellschaft. Increasing wash fastness of dyes on cellulosic materials with N methylolated quaternary ammonium ureido and urethane compounds. 3,353,901, 11–21–67, Cl. 8—74.

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Tavenor, Albert S., and J. B. Borland, to United States Rubber Co. Rubber laminates. 3,296,061, 1–3–67, Cl. 161—240.

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Taylor, Harold L., and J. M. Marshall, to Inland Steel Co. Uniform thin fluid sheet type spray device. 3,360,202, 12–26–67, Cl. 239—455.
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Taylor, James S., to Western Electric Co., Inc. Coaxial cable unit measuring device and missing disc indicator. 3,334,234, 8–1–67, Cl. 250—209.
Taylor, John, and E. M. Pedersen, to Beckman Instruments, Inc. Apparatus for scanning indicia traces on record medium. 3,342,997, 9–19–67, Cl. 250—219.
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Taylor, John W., to United States of America, Army. Analyzer system using phase distortion measurements. 3,358,227, 12–12–67, Cl. 324—57.

Taylor, John W., Jr., and G. W. Amato, to United States of America, Air Force. Detector-line drive with input tuning and feedback means. 3,314,018, 4–11–67, Cl. 329—194.

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Taylor, Kenneth M., to The Carborundum Co. Production of refractory bodies. 3,305,372, 2–21–67, Cl. 106—55.

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Taylor, Leonard F., Jr. Box. 3,306,516, 2–28–67, Cl. 229—36.

Taylor, Leonard F., Jr. Box. 3,347,448, 10–17–67, Cl. 229—34.

Taylor, Leta S., P. B. Johnson, and E. D. Huskey, to J. Y. Taylor Mfg. Co. Float for liquid level gauge and process of making same. 3,320,807, 5–23–67, Cl. 73—322.5.

Taylor, Leta S., P. B. Johnson, and E. D. Huskey, to J. Y. Taylor Mfg. Co. Gauge head cover. 3,320,812, 5–23–67, Cl. 73—431.

Taylor, Leta S., P. B. Johnson, and E. D. Huskey, to J. Y. Taylor Mfg. Co. Removable gauge head cover. 3,320,813, 5–23–67, Cl. 73—431.

Taylor, Leta S., P. B. Johnson, and E. D. Huskey, to J. Y. Taylor Mfg. Co. Indicator head for liquid level gauge and process of making same. 3,320,922, 5–23–67, Cl. 116—118.

Taylor, Leta S., P. B. Johnson, and E. D. Huskey, to J. Y. Taylor Mfg. Co. Liquid level gage. 3,320,923, 5–23–67, Cl. 116—118.

Taylor, Leta S., P. B. Johnson, and E. D. Huskey, to J. Y. Taylor Mfg. Co. Liquid level gauge and process of making same. 3,339,413, 9–5–67, Cl. 73—317.

Taylor, Leta S., P. B. Johnson, and E. D. Huskey, to J. Y. Taylor Mfg. Co. Liquid level gauge. 3,339,519, 9–5–67, Cl. 116—118.

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Taylor, Leta S., P. B. Johnson, and E. D. Huskey, to J. Y. Taylor Mfg. Co. Float for liquid level gage. 3,354,719, 11–28–67, Cl. 73—322.5.

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Taylor, Lloyd D., to Polaroid Corp. Composition and process utilizing photospirans. 3,320,067, 5–16–67, Cl. 96—90.

Taylor, Lloyd S. Method and apparatus for mixing fluids. 3,328,002, 6–27–67, Cl. 259—3.

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Taylor, Peter A., and R. J. Hawkins, to Babcock & Wilcox Ltd. Nuclear reactors. 3,305,451, 2–21–67, Cl. 176—60.

Taylor, Philip S., to The Kendall Co. Milk filters. 3,307,706, 3–7–67, Cl. 210—506.

Taylor, Philip S., to The Kendall Co. Process for making filter-sheet material. 3,350,221, 10–31–67, Cl. 117—140.

Taylor, Ralph E., to United States of America, National Aeronautics and Space Administration. Polarization diversity monopulse tracking receiver. 3,359,555, 12–19–67, Cl. 343—16.

Taylor, Ralph W. Underslung wheel suspension systems. 3,356,386, 12–5–67, Cl. 280—106.5.

Taylor, Ralph W. Collapsible trailers. 3,356,410, 12–5–67, Cl. 296—27.

Taylor, Randolph G., to United States of America, Navy. 44–60 angstrom photometer having an aluminum coated Mylar window. 3,348,090, 10–17–67, Cl. 313—93.

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Taylor, Raymond H. Chain jack tensioning device. 3,311,-348, 3–28–67, Cl. 254—74.

Taylor, Raymond H. Wedge-type eye bolt. 3,338,128, 8–29–67, Cl. 85—79.

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Taylor, Theodore B., to United States of America, Atomic Energy Commission. Production of isotopes from thermonuclear explosions. 3,331,744, 7–18–67, Cl. 176—10.

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Thomas, John E., to AMP Inc. High voltage and altitude connector means. 3,321,733, 5–23–67, Cl. 339—90.

Thomas, John R. : *See*—
Feder, Friedhelm R., Thomas, and Willoughby. 3,302,-893.

Thomas, John W., to Aluminum Co. of America. Closures and methods for applying same. 3,323,276, 6–6–67, Cl. 53—42.

Thomas, Joseph L. R. A. : *See*—
Hotte, Joseph G. F., and Thomas. 3,295,354.

Thomas, Junior W. Combine photoelectric warning system. 3,345,626, 10–3–67, Cl. 340—236.

Thomas, Karl, to Jurid Werke G.m.b.H. Metal clamping band. 3,321,811, 5–30–67, Cl. 24—20.

Thomas, Keith N. : *See*—
Lepard, Harold J., Jr., and Thomas. 3,298,741.

Thomas, Kenneth R. : *See*—
Morrison, Charles S., Denison, and Thomas. 3,315,449.

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Schröder, Ludwig, Thomas, and Jerchel. 3,321,481.

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Thomas, Lazarus D., and H. L. Rueter, to Libbey-Owens-Ford Glass Co. Glass polishing composition comprising a water-soluble zinc salt. 3,317,294, 5–2–67, Cl. 51—307.

Thomas, Leslie D., to Westinghouse Electric Corp. Laser beam modulator. 3,327,121, 6–20–67, Cl. 250—199.

Thomas, Lewis C. : *See*—
Davis, Claude G., Sumner, and Thomas. 3,300,578.
Davis, Claude G., and Thomas. 3,335,222.
Davis, Claude G., and Thomas. 3,353,158.

Thomas, Llewellyn H., to International Business Machines Corp. Cyclotron accelerator having the electrostatic field appearing across a non-linear gap. 3,348,089, 10–17–67, Cl. 313—62.

Thomas, Lucius E., and W. Rainey, to The Warner & Swasey Co. Sheet handling device. 3,358,853, 12–19–67, Cl. 214—6.

Thomas, Martha J. B. : *See*—
Butler, Keith H., Thomas, and Quirk. 3,351,194.

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Thomas, Maurice B. : *See*—
Steitle, James L., Macy, and Thomas. 3,347,052.

Thomas, McKinley B., and W. H. Dalebout, to United States Steel Corp. Inside flash trimmer. 3,352,208, 11–14–67, Cl. 90—24.

Thomas, Michael J., to Ford Motor Co. Automatic idle speed up device. 3,304,068, 2–14–67, Cl. 261—41.

Thomas, Michael J., to Ford Motor Co. Air valve carburetor. 3,350,072, 10–31–67, Cl. 261—39.
Thomas, Morton I., and B. R. Lesser. Ski scooter. 3,319,971, 5–16–67, Cl. 280—16.
Thomas, Neal C.: *See*—
King, James C., and Thomas. 3,310,720.
Thomas, Neil A., Jr., to Crescent Box Corp. Disposable pallet. 3,308,772, 3–14–67, Cl. 108—56.
Thomas, Orrin H. Universal ignition contact set. 3,297,837, 1–10–67, Cl. 200—30.
Thomas, Paul D., to Chas. Pfizer & Co., Inc. Cereal products having incorporated therein alkali salts of monoalkyl fumarates and maleates. 3,343,964, 9–26–67, Cl. 99—80.
Thomas, Paul M., L. W. Wright, R. W. Burge, and E. E. crile; said Burge, Wright, and Crile, assignors to said Thomas. Concrete block stacking machine. 3,303,942, 2–14–67, Cl. 214—6.
Thomas, Paul M., L. W. Wright, R. W. Burge, and E. E. Crile, to Builders Equipment Co. Concrete block stacking machine. 3,351,216, 11–7–67, Cl. 214—6.
Thomas, Peter J.: *See*—
Fettis, Gordon C., and Thomas. 3,325,516.
Thomas, Philip R., and M. W. Larkin. T-shape field-effect switch having a continuous high output impedance. 3,305,-709, 2–21–67, Cl. 317—235.
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Benoit, Gerard, Ferdy and Franz Mayer, and Thomas. 3,350,680.
Benoit, Gerard, Ferdy and Franz Mayer, and Thomas. 3,350,681.
Thomas, Rainer, and P. Weber, to Phrix-Werke Aktiengesellschaft. Method of separating cations from solutions containing the same and for incorporating cations into bodies of regenerated cellulose. 3,347,968, 10–17–67, Cl. 264—195.
Thomas, Ralph H., and L. J. Marlatt, to Bristol-Myers Co. Moisture-proof container. 3,346,099, 10–10–67, Cl. 206—42.
Thomas, Richard & Baldwins Ltd.: *See*—
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Thomas, Richard E., and G. A. Haas, to United States of America, Navy. Method and apparatus for investigating variations in surface work function by electron beam scanning. 3,337,729, 8–22–67, Cl. 250—49.5.
Thomas, Richard E., and G. A. Haas, to United States of America, Navy. System for investigating work function distribution and field distribution of a surface by electron beam scanning. 3,341,704, 9–12–67, Cl. 250—49.5.
Thomas, Robert A., to Trefileries Leon Bekaert, P.v.b.A. Fastening devices. 3,353,774, 11–21–67, Cl. 248—68.
Thomas, Robert E., and D. C. Mitchell, to Detroit Aluminum & Brass Corp. Bearing construction. 3,307,926, 3–7–67, Cl. 29—196.4.
Thomas, Robert L., to The Fafnir Bearing Co. Bearing housing cartridge. 3,301,612, 1–31–67, Cl. 308—20.
Thomas, Robert M.: *See*—
Kobold, Patrick J., and Thomas. 3,351,952.
Thomas, Robert M., and I. Kuntz, to Esso Research and Engineering Co. Soluble high molecular weight polymers of cyclopentadiene. 3,328,372, 6–27–67, Cl. 260—93.1.
Thomas, Robert W.: *See*—
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Kussy, Frank W., Farnsworth, and Thomas. 3,311,793.
Thomas, Roy, to Leo Computers Ltd. Data reading apparatus. 3,305,670, 2–21–67, Cl. 235—61.11.
Thomas, Roy P., to Pan American Petroleum Corp. Casing cutting system. 3,332,492, 7–25–67, Cl. 166—55.1.
Thomas, Samuel O.: *See*—
Whaley, Howard A., Patterson, and Thomas. 3,344,025.
Thomas, Stanley W., to United States of America, Atomic Energy Commission. Wide-range count rate meter utilizing plural count rate circuits and a range identifier. 3,300,-719, 1–24–67, Cl. 324—78.
Thomas, Teddy R.: *See*—
Scott, John E., and Thomas. 3,346,844.
Thomas, Teddy R., to Sperry Rand Corp. Nor-nand logic circuit using tunnel diodes. 3,330,971, 7–11–67, Cl. 307—88.5.
Thomas, Telfer L.: *See*—
Anderson, Floyd E., and Thomas. 3,303,214.
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Thomas, Tex C., to Collins Radio Co. Counter step-down frequency synthesizer. 3,354,403, 11–21–67, Cl. 331—18.
Thomas, Theodore C.: *See*—
Abel, Vernon T., and Thomas. 3,316,013.
Thomas, Thomas G., and S. G. Wilson, to United Kingdom Atomic Energy Authority. Processes for the recovery of uranium. 3,347,642, 10–17–67, Cl. 23—342.
Thomas, Walter: *See*—
Harms, Johann, Thomas, Berther, and Schultze. 3,334,-089.
Thomas, Walter M.: *See*—
Allcock, Harry R., and Thomas. 3,329,663.
Thomas, Walter N. Magnetically influenced question and answer game. 3,307,850, 3–7–67, Cl. 273—161.
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Cook, Shirl E., and Thomas. 3,340,284.
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Thomas, William D.: *See*—
Kirk, Merritt C., Jr., Olenzak, Reif, and Thomas. 3,309,-421.
Smith, Ira D., Lindow, and Thomas. 3,323,806.
Thomas, William H.: *See*—
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Thomas, William H., and J. E. Harper, to General Motors Corp. Turbine rotor. 3,356,339, 12–5–67, Cl. 253—39.
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Thomas, William J., to Detoronics Corp. Transmission line type surge attenuator for transient voltage and current impulses. 3,324,793, 6–13–67, Cl. 102—28.
Thomas, William L., to The British Petroleum Co., Ltd. Sampling device. 3,298,236, 1–17–67, Cl. 73—425.6.
Thomas, William L., to British Petroleum Co. Ltd. High vacuum distillation. 3,347,754, 10–17–67, Cl. 202—186.
Thomas, William M.: *See*—
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Thomas, William R., and G. J. Panek, to International Telephone and Telegraph Corp. Pressure actuated circuit interrupter resettable by fluid pressure also having pressure actuated detent means. 3,344,249, 9–26–67, Cl. 200—82.
Thomason, Harry E. Apparatus for cooling and solar heating a house. 3,295,591, 1–3–67, Cl. 165—1.
Thomason, Harry E. Solar heat collector. 3,303,838, 2–14–67, Cl. 126—271.
Thomason, Herman E.: *See*—
Webb, James E. 3,331,951.
Thomassen, Erling A., to O. M. Christensen. Nestable crab traps. 3,300,890, 1–31–67, Cl. 43—100.
Thomasset, Auguste L. Apparatus and methods for the measure of the electrical impedance of living organisms. 3,316,896, 5–2–67, Cl. 128—2.1.
Thome, Paul: *See*—
Bridoux, Claudet, Foulquier, Kauffmann, and Thome. 3,360,029.
Thome, William L.: *See*—
Beggs, Donald, and Thome. 3,328,997.
Thome, William L., D. Beggs, and J. B. McCully, to Midland-Ross Corp. Method and apparatus for firing ceramic bodies. 3,351,687, 11–7–67, Cl. 264—58.
Thominet, Michael L., to Societe d'Etudes Scientifiques et Industrielles de l'Ile-de-France. N-(substituted amino alkyl)-2-alkoxy-sulfamoyl benzamides. 3,312,739, 4–4–67, Cl. 260—556.
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Miller, Charles S., Engelhardt, and Thominet. 3,342,826.
Thominet, Michel L., to Societe D'Etude Scientifiques et industrielles de L'Ile-de-France. Process for preparing new benzamides. 3,357,978, 12–12–67, Cl. 260—247.
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Miller, Harry C., Paul, and Thomolaris. 3,339,383.
Thompson, Adelbert L. Fishing reel. 3,312,417, 4–4–67, Cl. 242—84.1.
Thompson, Adrian J. Adjustable draw sheet frame and draw sheet. 3,346,890, 10–17–67, Cl. 5—82.
Thompson, Albion J.: *See*—
Benjamin, Harley O., and Thompson. 3,349,611.
Thompson, Allan R.: *See*—
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Koeblitz, William E., and Thompson. 3,302,212.
Thompson, Allan R., to Clevite Corp. Direct writing instrument. 3,311,920, 3–28–67, Cl. 346—140.
Thompson, Allan R., to Clevite Corp. Magnetic recorder with linearity compensation. 3,317,915, 5–2–67, Cl. 246—117.
Thompson, Allan R., and F. Eubel, Jr., to Clevite Corp. D'Arsonval motor. 3,317,916, 5–2–67, Cl. 346—139.
Thompson, Alvin E., to TRW, Inc. Actuating device. 3,357,-265, 12–12–67, Cl. 74—10.33.
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Ausherman, Harry S., and Thompson. 3,333,348.
Thompson, Andy L. Irrigation pipe valve. 3,319,927, 5–16–67, Cl. 251—145.
Thompson, Andy L. Limited access livestock feeder apparatus. 3,336,907, 8–22–67, Cl. 119—56.
Thompson, Arthur C., K. Szabo, M. E. Brokke, and J. J. Menn, to Stauffer Chemical Co. Phosphorus-containing esters of 2-thiomethyl mercapto pyrimidines. 3,313,814, 4–11–67, Cl. 260—251.
Thompson, Benjamin, to Eastman Kodak Co. Allenic ketones and process for their preparation. 3,337,634, 8–22–67, Cl. 260—593.
Thompson, Blair C.: *See*—
Mott, Lucille E., Lounsbury, Thompson, Beauregard, Murtaugh, and Sardinas. 3,319,226.
Thompson, Bobby C., to Freeway Washer & Stamping Co. Kicker mechanism for stamping press. 3,323,400, 6–6–67, Cl. 83—160.
Thompson, Bradie W.: *See*—
Cunningham, Beulah F., and Thompson. 3,358,311.
Thompson, Brian J.: *See*—
Parrent, George B., Jr., and Thompson. 3,320,852.
Thompson, Bruce R. Screens, strainers and the like. 3,327,865, 6–27–67, Cl. 210.497.

Thompson, Charles D.: *See*—
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Ban, Thomas E., Thompson, and Nelson. 3,313,617.

Thompson, Charles E., and C. E. Heath, Jr., to Esso Research and Engineering Co. Transition metal electrode. 3,346,421, 10–10–67, Cl. 136—120.

Thompson, Charles S., to The Magnavox Co. Elastic stretchable coaxial cable having constant capacitance using woven or helically wound conductors. 3,299,375, 1–17–67, Cl. 333—96.

Thompson, Charles S., to E. W. Bliss Co. Coupling for a flat woven band of tape. 3,355,782, 12–5–67, Cl. 24—265.

Thompson, Charles T., to Joy Mfg. Co. Tripod drill support. 3,322,378, 5–30–67, Cl. 248—13.

Thompson, Charles T., to Joy Mfg. Co. Adjustable mounting for rock drills. 3,338,316, 8–29–67, Cl. 173—43.

Thompson, Charles W.: *See*—
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Thompson, Chester C., Jr., to Radiation Dynamics, Inc. Current control and indicator for high voltage accelerators. 3,309,616, 3–14–67, Cl. 328—258.

Thompson, Clyde H. Burner heat distributor. 3,307,531, 3–7–67, Cl. 126—215.

Thompson, Clyde L.: *See*—
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Thompson, David, Jr., and D. P. Fisher, to General Motors Corp. Direct acting self-adjusting brake mechanism. 3,334,710, 8–8–67, Cl. 188—79.5.

Thompson, David F.: *See*—
Millington, Ralph, and Thompson. 3,314,720.

Thompson, David L., to Thompson Tank and Mfg. Co. Inc. Portable vacuum and pressure liquid tank truck. 3,315,611, 4–25–67, Cl. 103—235.

Thompson, David L., to Thompson Tank and Mfg. Co., Inc. Float valve assembly for a portable vacuum tank. 3,347,263, 10–17–67, Cl. 137—448.

Thompson, Dewey T., and W. T. Fincher, to Callaway Mills Co. Curl resistant dust collecting mats. 3,306,808, 2–28–67, Cl. 161—66.

Thompson, Douglas K.: *See*—
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Castle, William S., Mar, and Thompson. 3,316,717.
Castle, William S., Mar, and Thompson. 3,338,508.
Castel, William S., Thompson, and Mar. 3,320,749.

Thompson, Earl A. Indexing device. Re. 26,218, 6–6–67, Cl. 90—56.

Thompson, Earl A. Rolling machine for forming tubular workpieces. 3,299,680, 1–24–67, Cl. 72—6.

Thompson, Earl A. Turbine. 3,302,923, 2–7–67, Cl. 253—2.

Thompson, Earl A. Engine valve operating mechanism. 3,314,404, 4–18–67, Cl. 123—90.

Thompson, Earl A., to Earl A. Thompson Mfg. Co. Internal grinding machine. 3,345,782, 10–10–67, Cl. 51—50.

Thompson, Earl A., Mfg. Co.: *See*—
Thompson, Earl A. 3,345,782.
Van Deberg, Walter H. 3,360,079.

Thompson, Eibert G.: *See*—
Johnson, Roger E., and Thompson. 3,316,784.

Thompson Electric Co., The: *See*—
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Thompson, Ellis G., E. C. Dubbels, and W. Ostrom, to Blaw-Knox Co. Agglomerating process for powdered food solids or the like. 3,313,629, 4–11–67, Cl. 99—56.

Thompson, Eugene H. Manicuring device. 3,311,117, 3–28–67. Cl. 132—73.6.

Thompson, Floyd N. Method and apparatus for stretching carpets including compression force measuring means. 3,311,347, 3–28–67, Cl. 254—57.

Thompson, Francis T., and L. S. Schmitz, to Westinghouse Electric Corp. Photoconductive multiplexing apparatus. 3,335,228, 8–8–67, Cl. 179—15.

Thompson, Frank R., to The New York Air Brake Co. Valve with resilient seat and retainer. 3,325,142, 6–13–67, Cl. 251—306.

Thompson, Franklin E. Cable cutter for simultaneously performing a plurality of spaced cuts. 3,309,768, 3–21–67, Cl. 30—91.1.

Thompson, Gary C. Article display and transfer counter unit. 3,343,900, 9–26–67, Cl. 312—140.1.

Thompson, George E., to Girling Ltd. Vehicle drum brake adjuster. 3,352,383, 11–14–67, Cl. 188—79.5.

Thompson, George L., to American Potash & Chemical Corp. Rare earth oxide and vanadate phosphors. 3,322,682, 5–30–67, Cl. 252—301.4.

Thompson, Gerald D. Electrical cord dispenser. 3,316,361, 4–25–67, Cl. 191—12.4.

Thompson, Gordon B., to Northern Electric Co. Ltd. Floating reference clipping circuit. 3,344,284, 9–26–67, Cl. 307—88.5.

Thompson, Gordon W., to E. I. du Pont de Nemours and Co. Process for minimizing pellicle fouling. 3,322,564, 5–30–67, Cl. 117—102.

Thompson, Gordon W., to E. I. du Pont de Nemours and Co. Flame treating burner device. 3,360,029, 12–26–67, Cl. 158—116.

Thompson Grinder Co., The: *See*—
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Thompson, Harold A., to Texaco Inc. Method for emulsion breaking of crude oils. 3,346,508, 10–10–67, Cl. 252—328.

Thompson, Harold D., to Piggy Wiggly Corp. Shopping cart. 3,335,818, 8–15–67, Cl. 186—1.

Thompson, Harris A. Method and apparatus for application of nebulized medication in positive pressure respiratory equipment. 3,301,255, 1–31–67, Cl. 128—29.

Thompson-Hayward Chemical Co.: *See*—
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Thompson, Herbert E.: *See*—
Blackley, Charles L., and Thompson. 3,308,451.

Thompson, Howard J., to Honeywell Inc. Sphericity measuring apparatus having a capacitor probe and a stable rotating means. 3,319,163, 5–9–67, Cl. 324—61.

Thompson, Howard J., and H. D. West, to Honeywell, Inc. Balancing apparatus. 3,299,714, 1–24–67, Cl. 73—468.

Thompson, Hugh P., to Vickers Ltd. Methods of freeze-drying material, particularly foodstuff material. 3,318,012, 5–9–67, Cl. 34—5.

Thompson Industries, Inc.: *See*—
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Dagobert, Henri A. L. 3,317,249.

Thompson, Ira F., to Radio Corp. of America. Deflection yoke coil. 3,310,763, 3–21–67, Cl. 335—213.

Thompson, Ivan P., to Union Carbide Corp. Thermochemical desurfacing method. 3,322,578, 5–30–67, Cl. 148—9.5.

Thompson, Ivor A., to A. C. Egerton Engineering (Bromley) Ltd. Hospital and like beds. 3,300,793, 1–31–67, Cl. 5—61.

Thompson, Jack B.: *See*—
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Thompson, Jack L.: *See*—
Bahniuk, Eugene, Budzich, and Thompson. 3,320,745.
Bahniuk, Eugene, and Thompson. 3,347,041.

Thompson, James E., to The Procter & Gamble Co. Synthesis of mixed glycerides. 3,337,596, 8–22–67, Cl. 260—410.7.

Thompson, James J.: *See*—
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Thompson, James R.: *See*—
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Thompson, James R., to Washington Iron Works. Interlocking yarder. 3,300,188, 1–24–67, Cl. 254—184.

Thompson, James R., to Washington Iron Works. Lock mechanism for telescoping spar. 3,346,281, 10–10–67, Cl. 287—58.

Thompson, Jerome B., to United States of America, Navy. Method and apparatus for coating the interior of hollow bodies. 3,303,041, 2–7–67, Cl. 117—18.

Thompson, Joel E., to Bell Telephone Laboratories, Inc. Miniature indicating fuse. 3,308,257, 3–7–67, Cl. 200—123.

Thompson, John A., to Esso Research and Engineering Co. Purification of alkyl aryl hydrocarbons. 3,338,983, 8–29–67, Cl. 260—674.

Thompson, John H.: *See*—
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Nelkin, Arthur, Thompson, and Geil. 3,345,607.

Thompson, John H., D. D. Skinner, R. H. Whittaker, and F. G. Geil, to Westinghouse Electric Corp. Temperature sensor. 3,318,152, 5–9–67, Cl. 73—362.8.

Thompson, John W., and J. C. Ownby, to Eastman Kodak Co. Thermal stabilizers for jet fuels. 3,323,884, 6–6–67, Cl. 44—66.

Thompson, John W., and J. C. Ownby. Amides of N-acyl sarcosines. 3,324,155, 6–6–67, Cl. 260—404.5.

Thompson, John W., and G. R. Lappin, to Eastman Kodak Co. Antioxidants for lubricating oils. 3,328,301, 6–27–67, Cl. 252—47.5.

Thompson, John W., and T. G. Davis, to Eastman Kodak Co. Antioxidant composition and ester lubricating oil containing it. 3,347,791, 10–17–67, Cl. 252—33.6.

Thompson, Joseph, to Consolidated Cigar Corp. Shipping and display container. 3,339,714, 9–5–67, Cl. 206—44.11.

Thompson, Joseph C. Chiropractic table. 3,343,531, 9–26–67, Cl. 128—69.

Thompson, Joseph H., to Cue-Thompson & Co. Ventilating wall construction with stud location indicators. 3,318,056, 5–9–67, Cl. 52—105.

Thompson, Julian L., to United States of America, Navy. Television tracking error detector. 3,320,360, 5–16–67, Cl. 178—6.8.

Thompson, Kenneth B. Optical viewing apparatus. 3,357,769, 12–12–67, Cl. 350—121.

Thompson, Kenneth R., to General Electric Co. Automatic zeroing for a rolling mill position regulator. 3,330,142, 7–11–67, Cl. 72—8.

Thompson, Kevin N.: *See*—
Calabrese, Anthony M., Dill, and Thompson. 3,324,030.

Thompson, Laurie D. Equalizing drive for tandem axle road vehicles. 3,347,332, 10–17–67, Cl. 180—22.

Thompson, Lawrence C.: *See*—
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Thompson, Lawrence K., III. Controlled medical injection apparatus. 3,336,925, 8–22–67, Cl. 128—218.

Thompson, Leon J., to International Business Machines Corp. Systems for controlling stepper motor starting and stopping operations. 3,328,658, 6–27–67, Cl. 318—138.

Thompson, Leonard H.: *See*—
Larson, Harold A., Schultz, Thompson, and Wells. 3,311,280.
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Thompson, Leonard R.: *See*—
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Thompson, Leonard R., to The Dow Chemical Co. Salicylates of hydroxymethylated diphenyl ether. 3,325,533, 6–13–67, Cl. 260—474.
Thompson, Lionel D., to Holley Carburetor Co. Engine control device. 3,358,664, 12–19–67, Cl. 123—140.
Thompson, Lloyd E.: *See*—
Turner, John F., Ziegler, Thompson, and Jessen. 3,352,-518.
Thompson, Malcolm F., to North American Aviation, Inc. Artillery fire control system. 3,313,209, 4–11–67, Cl. 89—41.
Thompson, Marion L. Valve damping assembly. 3,298,337, 1–17–67, Cl. 123—188.
Thompson, Marshall F. Push button mechanism with interlocking apparatus and energizing means therefor. 3,299,-222, 1–17–67, Cl. 200—5.
Thompson, Matthew C.: *See*—
Oury, Ralph M. 3,327,986.
Thompson Mfg. Co., Inc.: *See*—
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Thompson, Milton A.: *See*—
Pitts, Sam H., Jr., and Thompson. 3,335,027.
Thompson, Orville I., to Bell & Howell Co. Device for constructing electrical apparatus. 3,327,173, 6–20–67, Cl. 317—101.
Thompson, Otis M., to Jacuzzi Bros. Inc. Injector assembly and associated foot valve assembly. 3,323,468, 6–6–67, Cl. 103—260.
Thompson, Paul F., to Carlisle Chemical Works, Inc. Process comprising employing trialkyltin carboxylates for repelling rodents. 3,309,269, 3–14–67, Cl. 167—46.
Thompson, Philip M., to Plessey-UK Ltd. Multi-emitter bipolar transistors utilized as binary counter and logic gate. 3,345,518, 10–3–67, Cl. 307—88.5.
Thompson Processing Co., Inc.: *See*—
Hoenig, Donald J. 3,324,608.
Thompson, Quentin E., to Monsanto Co. Cyclic thionosulfites and their preparation. 3,357,993, 12–12–67, Cl. 260—327.
Thompson, Ralph J., and C. T. Loshing. Crystal oscillator having frequency proportional to variations of an electrical load. 3,297,956, 1–10–67, Cl. 331—177.
Thompson, Raymond, to United States Borax & Chemical Corp. Hydrazine borate fluxes. 3,344,001, 9–26–67, Cl. 148—23.
Thompson, Raymond, M. P. Brown, H. B. Silver, A. E. Dann, to United States Borax & Chemical Corp. Use of alkylamine borates as corrosion inhibitor for ferrous metal. 3,360,390, 12–26–67, Cl. 117—16.
Thompson, Raymond S. Grape and flower harvesting tools. 3,295,203, 1–3–67, Cl. 30—232.
Thompson, Richard L., to General Electric Co. Cooling arrangement for electrical apparatus. 3,317,796, 5–2–67, Cl. 317—100.
Thompson, Richard L., and F. B. Dwyer, to The Colonial Sugar Refining Co. Ltd. Method of rendering asbestos ore particles differentially fluorescent. 3,346,111, 10–10–67, Cl. 209—9.
Thompson, Robert E., to Schering Corp. Combination dispenser. 3,346,146, 10–10–67, Cl. 222—189.
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Thompson, Robert R., to Pan American Petroleum Corp. Soil gas prospecting for petroleum. 3,302,706, 2–7–67, Cl. 116—4.
Thompson, Robert R., and J. C. Cumming, to Rockwell-Standard Corp. Laminated articles and methods of bonding and debonding therefor. 3,348,640, 10–24–67, Cl. 188—250.
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Thompson, Seth W. Adjustable linkage mechanism. 3,354,-730, 11–28–67, Cl. 74—42.
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Thompson, Vernon F. Fuel supply system for volatile fluids. 3,324,923, 6–13–67, Cl. 158—36.3.
Thompson, Vernon F. Carburetor float valve. 3,334,649, 8–8–67, Cl. 137—329.04.
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Cloran, Thomas S., and Thompson. 3,340,056.
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Reinke, James J., Rohde, and Thompson. 3,327,340.
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Thompson, William E., to General Motors Corp. Die casting plunger piston ring. 3,300,822, 1–31–67, Cl. 22—70.
Thompson, William E., and B. G. Simmons, deceased (by H. G. Simmons, executor). Removable keel block. 3,344,-613, 10–3–67, Cl. 61—66.
Thompson, William J., to American Can Co. Electrostatic printing with a magnetic brush feed. 3,358,594, 12–19–67, Cl. 101—114.
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Thompson, William S., to Elkhart Brass Mfg. Co., Inc. Hose clamp for hose storage means. 3,338,260, 8–29–67, Cl. 137—355.28.
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Thorn, Richard H. W., and J. T. Franek, to H. G. Heinz Co., Ltd. Apparatus for successively introducing flowable material into containers. 3,336,956, 8–22–67, Cl. 141—83.
Thorn, Richard P., to Lord Corp. Damped tube. 3,314,502, 4–18–67, Cl. 188—1.
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Thornander, Gote C. I., to Elektriska Svetsningsaktiebolaget. Electrically insulating supporting means for a railway rail. 3,315,893, 4–25–67, Cl. 238—283.
Thornberg, Dean S., and R. M. Jepperson, to Montek Division of Model Engineering and Mfg. Corp. Decoder and reference burst pulse spacing monitor circuit. 3,332,018, 7–18–67, Cl. 325—322.
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Thorner, Robert H. Automotive speed control apparatus. 3,305,042, 2–21–67, Cl. 180—82.1.
Thorner, Robert H. Defrosting control for a refrigeration device. 3,321,928, 5–30–67, Cl. 62—140.
Thorner, Robert H. Automotive speed control system. 3,322,227, 5–30–67, Cl. 180—108.
Thorner, Robert H. Automotive speed control system. 3,343,423, 9–26–67, Cl. 73—535.
Thorner, Robert H. Vehicle speed regulator device. 3,348,625, 10–24–67, Cl. 180—108.
Thorner, Robert H. Vehicle speed regulating device. 3,348,626, 10–24–67, Cl. 180—108.
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Thorup, Richard M., and A. H. Hunter, to Chevron Research Co. Increasing saccharide content in sugar beets. 3,318,-678, 5–9–67, Cl. 71—2.5.
Thostrup, Harry, to Elektriska Soetsningsakliebolaget. Composite hose unit for supplying a welding gun with a welding wire or wires, shielding gas, welding current and compressed gas. 3,324,225, 6–6–67, Cl. 174—47.
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Thuillier, Jean-Eugene, P. Rumpf, and G. Thuillier, to Centre National de la Recherche Scientifique and Institut National d'Hygiene. Acetylsalicylic acid derivatives. 3,334,129, 8–1–67, Cl. 260—469.
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Thurston, Elvin F. W., to Ilford Ltd. Novel photographic element sensitized by labile sulfur compounds and organic phosphites. 3,338,712, 8–29–67, Cl. 96—76.
Thurston, Raymond L., and H. M. Smith, to Republic Industrial Corp. Clamp structure for metal bands. Re. 26,211, 5–23–67, Cl. 24—20.
Thuse, Erik, to FMC Corp. Carrier gas sublimation. 3,299,-525, 1–24–67, Cl. 34—5.
Thut, Paul J., to Burroughs Corp. Method for producing accurate type. 3,348,404, 10–24–67, Cl. 72—340.
Thwaites, Leslie B. Apparatus to transfer a power-operated implement between a tractor chassis frame and the ground. 3,307,829, 3–7–67, Cl. 254—88.
Thyen, Eberhard H., to Corning Glass Works. Self locking partition assembly. 3,330,464, 7–11–67, Cl. 229—15.
Thyen, Herbert E., to W. W. Kimball Co. Piano construction having a curved back. 3,298,268, 1–17–67, Cl. 84—184.
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Thyholt, Andreas. Freely supported deck-construction. 3,333,-374, 8–1–67, Cl. 52—80.
Thylander, Stig L., to Telefonaktiebolaget LM Ericsson. Circuit arrangement for producing a pulse train in which the edges of the pulses have an exactly defined time position. 3,297,952, 1–10–67, Cl. 328—61.
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Tillander, Magnus E., A. B. Persson, and A. T. Johansson, to Ti-Pe Elmeko. Baking oven. 3,351,025, 11–7–67, Cl. 107—55.

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Tillett, Thomas J., and B. Auerbach, to Link-Belt Co. Bar screen cleaning device. 3,358,837, 12–19–67, Cl. 210—159.
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Doering, Von E., Sayigh, and Tilley. 3,296,306.
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Tillmann, Peter, Kulling, and Hitzemann. 3,360,341.
Tillmann, Peter, deceased (by M. Tillmann, sole heir), A. Kulling, and G. Hitzemann, to Titangesellschaft m.b.H. Multi-tube burner. 3,355,253, 11–28–67, Cl. 23—277.
Tillmann, Peter, deceased (by M. Tillmann, sole heir), A. Kulling, and G. Hitzemann, to Titangesellschaft m.b.H. Means for the production of fine particle size titanium dioxide. 3,360,341, 12–26–67, Cl. 23—277.
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Tillotson, David S., to Newman-Green, Inc. Dip tube. 3,301,438, 1–31–67, Cl. 222—41.
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Timm, Walter, to Mine Safety Appliances Co. Inflating device for inflatable splints. 3,312,213, 4–4–67, Cl. 128—87.
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Timmermans, Frederik A. G., and A. Snel, to Nederlandse Organisatie Voor Toegepast-Natuur-Wetenschappelijk Onderzoek Ten Vehoeve Van Nijverheid, Handel En Verkeer. Device for measuring two consecutive magnitudes as electrical signals. 3,348,142, 10–17–67, Cl. 324—99.
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Timms, Leon M. Packing unit with viewing window. 3,330,471, 7–11–67, Cl. 229—74.
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Tinfow, Lionel, and S. V. Winton. Cantilevered wall shelf support. 3,325,129, 6-13-67, Cl. 248—243.

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Tinklepaugh, Frost L. Prepaid entertainment distribution system. 3,303,279, 2-7-67, Cl. 178—5.8.

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Tinlin, William. Tunneling machine and impact-tool cutting head therefor. 3,314,724, 4-18-67, Cl. 299—62.

Tinlin, William. Tunneling machine having horizontally and vertically reciprocated rotatable head. 3,314,725, 4-18-67, Cl. 299—62.

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Tinnerman, George A. Mounting clips or clamps. Re. 26,157, 2-14-67. Cl. 248—361.

Tinnerman, George A. Mounting clamps. Re. 26,247, 8-15-67, Cl. 24—81.

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Holton, Robert J. 3,308,708.
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Holton, Robert J. 3,357,293.
Holton, Robert J., and Buttriss. 3,311,251.
Schuplin, Jerome T. 3,342,098.

Tinnes, Leroy. Automatic pipe welding wire-feed apparatus. 3,299,245, 1-17-67, Cl. 219—60.

Tinsley, Carl G., to Motorola, Inc. Constant power generator. 3,351,846, 11-7-67, Cl. 323—1.

Tinsley, Samuel W., Jr., and E. Marcus, to Union Carbide Corp. Novel epoxides, methods of making same, and polymers thereof. 3,311,643, 3-28-67, Cl. 260—348.

Tinsley, Samuel W., Jr., and E. Marcus, to Union Carbide Corp. Cyclic epoxides and compositions containing same. 3,314,896, 4-18-67, Cl. 260—2.

Tinsley, Samuel W., Jr., and D. L. MacPeek, to Union Carbide Corp. 2-hydrocarbon-5,6-epoxy - 1,3 - dioxepanes. 3,337,587, 8-22-67, Cl. 260—338.

Tinsley, Samuel W., D. L. MacPeek, and P. S. Starcher, to Union Carbide Corp. Hydration of bicyclo-(2.2.1.) heptenes and related nortricyclenes. 3,345,419, 10-3-67, Cl. 260—617.

Tinsley, William B. Swab cup adapter. 3,343,461, 9-26-67, Cl. 92—180.

Tinsley, William D., to Techomatic Industries, Inc. Automatic liquid dispensing machine. 3,326,417, 6-20-67, Cl. 222—54.

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Tigrett, John B., and Wigal. 3,345,685.
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Hoffmann, Ernest. 3,301,266.

Tiplitz, Charles I., and W. J. Krupick, to General Precision Inc. Gyro damping control. 3,353,415, 11-21-67, Cl. 74—5.5.

Tipostsch, Donald G., to Beckman Instruments, Inc. Thermocouple radiation detector with and integrator in the feedback path of the amplifier to compensate for the integrating effect of the detector. 3,335,279, 8-8-67, Cl. 250—83.3.

Tipper, Maynard J. G., to Rheem Mfg. Co. Portable apparatus for fastening casings and the like. 3,327,514, 6-27-67, Cl. 72—416.

Tipper, Maynard J. G., to Rheem Mfg. Co. Pleater for sheet material and means for tying and cutting casings. 3,348,-458, 10-24-67, Cl. 93—84.

Tippett, Ruth R. Foldaway bar stool. 3,330,609, 7-11-67, Cl. 312—235.

Tipton, Larry M. Cutter plate. 3,342,232, 9-19-67, Cl. 146—189.

Tipton, Lynn L., to Westinghouse Electric Corp. Electrical apparatus. 3,351,843, 11-7-67, Cl. 322—28.

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Tischuk, Walter, to H. H. Robertson Co. Closer element for building wall structures. 3,343,312, 9-26-67, Cl. 52—94.

Tishler, Earl J., and G. A. Weinert, to Ford Motor Co. Blade examining apparatus. 3,318,009, 5-9-67, Cl. 33—174.

Tishler, Max, to Merck & Co., Inc. Dibenzocycloheptene compounds and processes for preparing the same. 3,317,582, 5-2-67, Cl. 260—465.

Tishler, Max, N. G. Steinberg, and R. F. Hirschmann, to Merck & Co., Inc. 4-pregneno-[3,2-c] pyrazoles and processes of preparing them. 3,299,054, 1-17-67, Cl. 260—239.5.

Tishler, Max, N. G. Steinberg, and R. F. Hirschmann, to Merck & Co., Inc. 4,6-pregnadieno-[3,2-c]pyrozoles and processes of preparing them. 3,300,483, 1-24-67, Cl. 260—239.5.

Tishler, Max, J. M. Chemerda, and J. Kollonitsch, to Merck & Co., Inc. Dibenzocycloheptenes and processes for the preparation thereof. 3,312,738, 4-4-67, Cl. 260—556.

Tiskus, John R., and J. H. Wilson, to United States Steel Corp. System for controlling the liquid level in a continuous-casting mold or the like. 3,300,820, 1-31-67, Cl. 22—57.2.

Tisnovsky, Miroslav, to Naradi, narodni podnik. Hydraulic pressure-multiplier. 3,354,640, 11-28-67, Cl. 60—54.5.

Tiss, Irving D. Garment shaping bust form. 3,346,149, 10-10-67, Cl. 223—66.

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Title, Jack. One piece panty design. 3,344,438, 10-3-67, Cl. 2—224.

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Tittle, Charles W., to Schlumberger Ltd. (Schlumberger N.V.) Gamma-gamma well logging comprising a collimated source and detector. 3,321,627, 5-23-67, Cl. 250—83.3.

Tittle, John G., to Brown & Root, Inc. Method and apparatus for entrenching submerged elongate structures. 3,338,059, 8-29-67, Cl. 61—72.4.

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Tlamicha, Adolf J., deceased (by L. A. Tlamicha, executrix). Delustered plastic filament. 3,360,424, 12–26–67, Cl. 161—180.
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Toa Electronics Ltd.: *See—*
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Tobar, Ramon U., to E. I. du Pont de Nemours and Co. Electrodeposition of nickel from the sulfamate bath. 3,360,-445, 12–26–67, Cl. 204—3.
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Tobey, Hubert E., to Continental Baking Co. Method and apparatus for packaging articles. 3,355,857, 12–5–67, Cl. 53—182.
Tobey, Richard, to Ampex Corp. Web transport system. 3,318,545, 5–9–67, Cl. 242—55.12.
Tobey, Stephen W.: *See—*
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Tobia, Vito. Display devices. 3,301,445, 1–31–67, Cl. 223—88.
Tobias, Jaromir. High efficiency hydraulic apparatus. 3,345,-916, 10–10–67, Cl. 92—58.
Tobias, Lawrence S., to International Paper Co. Process for forming carton bottom. 3,303,760, 2–14–67, Cl. 93—444.1.
Tobias, Philip E. Optical paste-up aligner. 3,323,415, 6–6–67, Cl. 88—24.
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Tobin, Robert: *See—*
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Tocker, Stanley, to E. I. du Pont de Nemours and Co. Substituted pyromellitic dianhydrides. 3,299,101, 1–17–67, Cl. 260—346.3.
Tocker, Stanley, to E. I. du Pont de Nemours and Co. Graft and cross linked copolymers of polar vinylidene monomers with acryloxyphenones. 3,315,013, 4–18–67, Cl. 260—881.
Tocker, Stanley, to E. I. du Pont de Nemours and Co. Benzophenone and acetophenone stabilized polymers. 3,320,116, 5–16–67, Cl. 161—252.
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Tocker, Stanley, to E. I. du Pont de Nemours and Co. Polymeric ultraviolet light-absorbers prepared by condensation of hydroxybenzophenones and carbonyl compounds. 3,330,-884, 7–11–67, Cl. 260—843.
Tocus, Edward C., and V. J. Bauer, to American Cyanamid Co. Compositions containing pyrazolylpyridinium salts and method of administration. 3,341,413, 9–12–67, Cl. 167—65.
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Todaro, Anthony, Jr., to Westinghouse Electric Corp. Semiconductor controlled rectifier having a shorted emitter at a plurality of points. 3,337,782, 8–22–67, Cl. 317—235.
Todd, Carl D., to Hughes Aircraft Co. Electronic threshold switch. 3,307,048, 2–28–67, Cl. 307—88.5.
Todd, Carl D., to Hughes Aircraft Co. Negative resistance circuit. 3,320,433, 5–16–67, Cl. 307—88.5.
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Todd, Judson P. Method of priming and welding steel. 3,339,-058, 8–29–67, Cl. 219—137.
Todd, Leonard M.: *See—*
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Todd, Marion N., Jr., to United States of America, Army. Dual beam optical gyroscope pickoff. 3,328,595, 6–27–67, Cl. 250—231.
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Todd, Paul G., to Trygon Electronics Inc. Current and voltage regulated power supply. 3,305,764, 2–21–67, Cl. 323—9.
Todd, Paul G., to Trygon Electronics, Inc. Regulated power supply. 3,348,122, 10–17–67, Cl. 321—18.
Todd, Terrill G., to Wilox Mfg. Co. Method of coal mining. 3,305,268, 2–21–67, Cl. 299—18.
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Todd, William L., to FMC Corp. Unitized well head. 3,299,-958, 1–24–67, Cl. 166—89.
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Todnem, Odd R., to Sintef. Induction melting furnace. 3,303,260, 2–7–67, Cl. 13–29.
Todokoro, Shigeru, to Tokyo Shibaura Electric Co. Ltd. FM stereo demodulating device using a diode ring modulator switching circuit. 3,308,241, 3–7–67, Cl. 179—15.
Todrank, Raymond O., to Design and Mfg. Corp. Circuitry for automatic appliances. 3,320,442, 5–16–67, Cl. 307—141.
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Todt, Gerhard H., and L. D. O. Tearne, to The Mosler Safe Co. Method and apparatus for transferring a carrier through a pneumatic conveyor system. 3,305,192, 2–21–67, Cl. 242–38.
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Toepfl, Rosemarie, L. Schibler, and A. Maeder, to Ciba Ltd. Methylolated urea and melamine etherified with utanol and polyethyleneglycol as emulsion polymerization agents. 3,352,838, 11–14–67, Cl. 260—80.73.
Toeppen, Thurston H., to Friden, Inc. Paper bail structure for typewriters and the like. 3,339,696, 9–5–67, Cl. 197—138.
Toeppen, Thurston H. Apparatus for the controlled distribution of liquids. 3,341,168, 9–12–67, Cl. 251—148.
Toews, Leonard E. Rotary crusher hammer with alternate thick and thin wear strips. 3,322,356, 5–30–67, Cl. 241—197.
Tofani, Arthur M., Jr. Means for suspending a lighting fixture or the like. 3,303,455, 2–7–67, Cl. 339—88.
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Tofflemire, Benjamin F. Dental matrix band. 3,305,928, 2–28–67, Cl. 32—63.
Tofflemire, Roderick H., to Colgate-Palmolive Co. Process and apparatus for spray drying multi-colored detergent particles. 3,357,476, 12–12–67, Cl. 159—4.
Toffolon, Norman R. Method of erecting prefabricated panels and the like. 3,333,322, 8–1–67, Cl. 29—463.
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Tomiyama, Shinichi, H. Marumo, and M. Takai. Method of suppressing electrostatic charges in synthetic resins and fibers. 3,297,653, 1–10–67, Cl. 260—75.

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Tomiyasu, Kiyo, to General Electric Co. Reflectionless input resonant laser amplifier. 3,327,232, 6–20–67, Cl. 330—4.3.

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Tomlinson, George H., II. Continuous sodium sulfide pulping of cellulosic material. 3,347,739, 10–17–67, Cl. 162—30.

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Tompkins, David R., and L. L. Council, to Plastic Applicators, Inc. Rotating pipe inspection assembly with solenoid operated means to raise and lower the sensor means. 3,299,350, 1–17–67, Cl. 324—37.

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Tongue, Ben H., to Blonder-Tongue Electronics. Tunnel diode converter system. 3,332,022, 7–18–67, Cl. 325—449.

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Toomey, John B., Jr., to Value Engineering Co. Photographic camera. 3,350,989, 11–7–67, Cl. 95—11.5.

Toomey, John B., Jr., and W. F. Frizzell, to Valve Engineering Co. Photographic flash bulb. 3,310,967, 3–28–67, Cl. 67—31.

Toomey, John B., Jr., and W. F. Frizzell, to Valve Engineering Co. Photographic flash lamp unit. 3,319,058, 5–9–67, Cl. 240—1.3.

Toone, Brian, to Rolls-Royce Ltd. Prime mover ignition device. 3,355,885, 12–5–67, Cl. 60—39.82.

Tootal Broadhurst Lee Co. Ltd.: *See*—
Burkitt, Frank H., and Butterworth. 3,330,618.

Toothman, Lawrence R., and L. S. La Sota, to McGraw-Edison Co. Cooling and noise reducing arrangement for stationary induction apparatus. 3,305,813, 2–21–67, Cl. 336—100.

Toovey, Gerald R.: *See*—
Michael, Eugene M., and Toovey. 3,352,101.

Tooze, Michael J., to Elliot Brothers (London) Ltd. Data processing apparatus. 3,350,011, 10–31–67, Cl. 235—201.
Topas, Benjamin, to International Rectifier Corp. High voltage semiconductor device. 3,320,496, 5–16–67, Cl. 317—234.
Topas, Benjamin, to International Rectifier Corp. Method for growing silicon film. 3,328,213, 6–27–67, Cl. 148—175.
Topas, Benjamin, and H. Weinstein, to International Rectifier Corp. Controlled rectifier having shunted emitter formed by a nickel layer underneath an aluminum layer. 3,297,-921, 1–10–67, Cl. 317—234.
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Gibb, Robert F. 3,314,023.
Topaz, Jeremy M., to Polaroid Corp. Auxiliary shutter timing mechanism. 3,326,103, 6–20–67, Cl. 95—10.
Topaz, Jeremy M., to Polaroid Corp. Method and apparatus for calibrating camera photometer. 3,357,230, 12–12–67, Cl. 73—1.
Topcik, Barry, to Columbian Carbon Co. Butyl rubber vulcanizates prepared from compositions comprising factice, phenolic curing agent and aromatic amine. 3,317,444, 5–2–67, Cl. 260—19.
Tope, Paul H. Multi-purpose car top luggage carrier. 3,301,-449, 1–31–67, Cl. 224—42.01.
Tope, Paul H., and A. L. Reiter, to Whirlpool Corp. Fluid flow control apparatus. 3,349,840, 10–31–67, Cl. 165—26.
Tope, Paul H., and B. J. Crane, to Whirlpool Corp. Automatic control circuit for regulating temperature. 3,353,-589, 11–21–67, Cl. 165—26.
Toper, Walter B., to Carrier Corp. Air conditioning unit. 3,303,666, 2–14–67, Cl. 62—426.
Toper, Walter B., to Carrier Corp. Room terminal cabinet construction. 3,357,763, 12–12–67, Cl. 312—236.
Toper, Walter B., and D. F. Bryans, to Carrier Corp. Air conditioning unit. 3,299,796, 1–24–67, Cl. 98—38.
Topf, Sam B., ½ to L. Rolnick. Toggle bolt. 3,302,508, 2–7–67, Cl. 85—3.
Topf, Sam B., ½ to L. Rolnick. One piece plastic expansion fastener. 3,350,976, 11–7–67, Cl. 85—37.
Topfer, Heinz, D. Schrepel, and A. Schwarz, to Deutsche Akademie der Wissenschaften Zu Berlin. Pressurized fluid operable switching device. 3,323,721, 6–6–67, Cl. 235—201.
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Topham, Alan E. and C. H. Valves for controlling fluid flow. 3,300,177, 1–24–67, Cl. 251—158.
Topham, Arthur: *See*—
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Topham, Cedric H.: *See*—
Topham, Alan E. and C. H. 3,300,177.
Topham, William H., to The British Petroleum Co. Ltd. Sample injection valve. 3,321,977, 5–30–67, Cl. 73—422.
Toplis, John G., to Raleigh Industries Ltd. Epicyclic gear assemblies. 3,299,745, 1–24–67, Cl. 74—750.
Topliss, John G., to Schering Corp. Derivatives of 1,2,4-benzothiadiazine-1,1-dioxides. 3,304,228, 2–14–67, Cl. 167—65.
Topliss, John G., and N. Sperber, to Schering Corp. Method for the treatment of hypertension. 3,296,070, 1–3–67, Cl. 167—65.
Topliss, John G., M. H. Sherlock, and N. Sperber, to Schering Corp. Novel process for the preparation of dihydrobenzothiadiazines. 3,326,908, 6–20–67, Cl. 260—243.
Topliss, John G., N. Sperber, and A. A. Rubin, to Schering Corp. Novel 1,2,4-benzothiadiazine-1,1-dioxide derivatives. 3,345,365, 10–3–67, Cl. 260—243.
Topol, George J., to Bowser, Inc. Instrument and process for testing contamination in liquid materials. 3,354,772, 11–28–67, Cl. 88—14.
Topouzian, Armenag, to Ford Motor Co. Heat exchange assembly. 3,322,189, 5–30–67, Cl. 165—8.
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Gore, William H., Leising, and Topper. 3,319,637.
Topper, Harry H.: *See*—
Bradley, Anthony, Topper, and Yeats. 3,339,526.
Topper, Robert L., W. W. Cofield, R. C. Foster, H. N. Woebcke, and G. O. Koehnken, to Transcontinental Gas Pipeline Corp. Method of transporting granular solids in a gas. 3,347,599, 10–17–67, Cl. 302—66.
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Wilhoyte, Howard J. 3,346,882.
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French, Henry C., and Toppins. 3,342,358.
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Tordi, Renato, to Better Plastics Inc. Closure dispenser. 3,332,210, 7–25–67, Cl. 53—316.
Tordoff, Ledger J., to McGraw-Edison Co. Conductor termination with stress distribution means. 3,323,097, 5–30–67, Cl. 339—91.
Tordoff, Ledger J., and M. Rigert, to McGraw-Edison Co. Conductor termination. 3,307,137, 2–28–67, Cl. 339—61.
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Torii, Yasunosuke, to Tokyo Shibaura Electric Co. Ltd. Starting device for direct current motors. 3,299,338, 1–17–67, Cl. 318—249.
Torii, Yasunosuke, to Tokyo Shibaura Electric Co., Ltd. Starting device for gradually applying current to a load by means of parallel branch circuits. 3,299,347, 1–17–67, Cl. 323—97.
Torii, Yasunosuke, to Tokyo Shibaura Electric Co., Ltd. Voltage regulating device. 3,308,369, 3–7–67, Cl. 321—16.
Torii, Yasunosuke, to Tokyo Shibaura Electric Co. Control system for electric cars using controlled rectifier elements. 3,325,714, 6–13–67, Cl. 318—269.
Torii, Yasunosuke, to Tokyo Shibaura Electric Co., Ltd. Control device for electric cars including SCR short circuiting of a starting resistance. 3,341,759, 9–12–67, Cl. 318—422.
Torii, Yasunosuke, to Tokyo Shibaura Electric Co., Ltd. Voltage control device. 3,350,630, 10–31–67, Cl. 323—43.5.
Torii, Yasunosuke, and M. Tanaka, to Tokyo Shibaura Electric Co., Ltd. Safety device for dynamic braking of electric vehicles. 3,353,075, 11–14–67, Cl. 318—57.
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Niki, Akira, Nakayama, and Toriyama. 3,352,485.
Torjo Kogyo Co., Ltd.: *See*—
Kuroda, Takashi. 3,352,290.
Torlay, Dwight L., to United States Steel Corp. Hub-pulling apparatus. 3,334,404, 8–8–67, Cl. 29—252.
Torley, Robert E., and D. J. Berets, to American Cyanamid Co. Information storage and processing using coded inks. 3,340,982, 9–12–67, Cl. 197—1.
Tormolen, Hans H. Mechanism for converting predetermined input speed to random output speed. 3,299,228, 1–17–67, Cl. 200—18.
Tormolen, Hans H. Trailer. 3,353,862, 11–21–67, Cl. 296—26.
Torn Broers, Bouwe H.: *See*—
Kloosterman, Cornelis U., and Torn Broers. 3,310,588.
Tornau, Walter: *See*—
Hoffmann, Ernst G., and Tornau. 3,318,934.
Torney, Franklin L., Jr., to National Research Corp. Ultra-high vacuum gauge having two collector electrodes. 3,310,-699, 3–21–67, Cl. 313—7.
Tornoe, John A., to Schlage Lock Co. Lock cylinder torque plug. 3,324,694, 6–13–67, Cl. 70—375.
Tornoe, John A., R. E. Neary, and L. Fernandez-Castro, to Schlage Lock Co. Latch extension device. 3,300,240, 1–24–67, Cl. 292—337.
Tornoe, John A., and R. A. Marotto, to Schlage Lock Co. Boring jig for door locks. 3,338,277, 8–29–67, Cl. 144—27.
Tornqvist, Erik, to Esso Research and Engineering Co. Method for forming polyolefin catalyst. 3,298,965, 1–17–67, Cl. 252—429.
Tornqvist, Erik, to Esso Research and Engineering Co. Method for the formation of malleable metal powders. 3,301,-494, 1–31–67, Cl. 241—22.
Tornqvist, Erik, and P. A. Argabright, to Esso Research and Engineering Co. Method of producing cocrystallized vanadium, titanium, and aluminum halides. 3,325,424, 6–13–67, Cl. 252—442.
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Li, Norman N., and Torobin. 3,303,121.
Torobin, Leonard B., to Esso Research and Engineering Co. Separation apparatus. 3,311,296, 3–28–67, Cl. 233—29.
Torobin, Leonard B., to Esso Research and Engineering Co. Wax separation by countercurrent contact with an immiscible coolant. 3,350,296, 10–31–67, Cl. 208—37.
Torobin, Leonard B., to Esso Research and Engineering Co. Staged centrifugation of wax from a countercurrent extraction process. 3,350,297, 10–31–67, Cl. 208—37.
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Torok, Andrew: *See*—
Engel, Edward G., Rowland, and Torok. 3,298,617.
Torok, Julius J., to Owens-Illinois, Inc. Apparatus for drawing glass in cylindrical form. 3,360,353, 12–26–67, Cl. 65—184.
Török, László, T. Markotai, and I. Bogár, to Nikex Nehezipari Kulkereskedelmi Vallalat. Machine for mixing and dividing test specimens of material. 3,343,813, 9–26–67, Cl. 259—3.
Torok, Steven J., to Ampex Corp. Apparatus for reducing frictional wear of a transducing head against a magnetic tape. 3,333,065, 7–25–67, Cl. 179—100.2.

Torok, Tibor: *See*—
Rubin, Ronald W., and Torok. 3,332,730.
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Torossian, Alexandre: *See*—
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Torossian, Edouard. Extensible hydraulic control element for locking mountings. 3,342,477, 9–19–67, Cl. 269—25.
Torossian, Edouard. Hydropneumatic control device. 3,359,-728, 12–26–67, Cl. 60—54.5.
Torossian, Edouard M., to Wilton Corp. Independent mobile jaw and method of manufacturing same. 3,307,843, 3–7–67, Cl. 269—157.
Torp, Alf. Chair supports for building constructions. 3,325,-959, 6–20–67, Cl. 52—689.
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Kenny, Robert W., and Torpey. 3,307,470.
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Torr, David, to Ralston Purina Co. Method of preparing an edible meat product. Re. 26,182, 4–4–67, Cl. 99—108.
Torr, David. Disposable article having a layer of artificial absorbent fibers and supporting sheet. 3,347,236, 10–17–67, Cl. 128—284.
Torr, David. Dried honey-milk product. 3,357,839, 12–12–67, Cl. 99—56.
Torrance, Gordon A., to Jervis B. Webb Co. Carrier stop and track hangar for power and free conveyors. 3,347,171, 10–17–67, Cl. 104—172.
Torrance, Gordon A., and C. A. Dehne, to Jervis B. Webb Co. Lift section for power and free conveyor. 3,326,139, 6–20–67, Cl. 104—96.
Torrence, George W. Plant watering systems and control means therefor. 3,357,129, 12–12–67, Cl. 47—38.
Torrence, James A., to National Video Corp. Cathode ray tube with improved shadow mask mounting spring arrangement. 3,343,024, 9–19–67, Cl. 313—92.
Torrence, Maynard F., to E. I. du Pont de Nemours and Co. Air aging oven apparatus. 3,311,360, 3–28–67, Cl. 263—40.
Torrens, Robert L. Snow-making unit. 3,298,612, 1–17–67, Cl. 239—402.
Torres, Allan F., to Atlas Chemical Industries, Inc. Corrosion resistant polyester resin compositions. 3,337,486, 8–22–67, Cl. 260—28.5.
Torres, Henry M. Apparatus for pulling retainers or seals and the like. 3,304,601, 2–21–67, Cl. 29—261.
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Torresen, Robert, to Brunswick Corp. Bowling ball polishing machine. 3,341,982, 9–19–67, Cl. 51—263.
Torresen, Robert, and A. J. Gretzky, to Brunswick Corp. Pin detecting and indicating apparatus. Re. 26,154, 1–31–67, Cl. 273—42.
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Torrey, Samuel S. Collapsible ladder. 3,315,762, 4–25–67, Cl. 182—164.
Torrey, Sumner H., to Geo. D. Roper Corp. Electrical thermostatic control system for electric ovens. 3,358,122, 12–12–67, Cl. 219—413.
Torricelli, Decio. Gang mold assembly for concrete blocks. 3,307,821, 3–7–67, Cl. 249—129.
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Benson, Carl F. 3,302,267.
Benson, Carl F. 3,312,200.
Carullo, Paul A. 3,307,891.
Cowles, John H. 3,306,682.
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Cowles, John H. 3,339,687.
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Cavagnero, Erman V. 3,322,037.
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Mullis, Clyde M., and Tosato. 3,321,060.
Toscano, Esteban J., to Hughes Aircraft Co. Digital number register. 3,348,156, 10–17–67, Cl. 328—42.
Toscano, Esteban J., to Hughes Aircraft Co. Electrical control system for machine tool device with overshoot correction feature. 3,353,161, 11–14–67, Cl. 340—172.5.
Toscano, Esteban J., and J. K. Holy, to Hughes Aircraft Co. Selective zero electrical control system. 3,343,053, 9–19–67, Cl. 318—18.
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Toth, Ferenc, to Metrimpex Nagyar Muszeripari Kulkereskedelmi Vallalat. Means for measuring seismic vibration of low natural frequency. 3,358,268, 12–12–67, Cl. 340—17.
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Boucraut, Michel, and Toth. 3,300,295.
Boucraut, Michel, and Toth. 3,343,584.
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Toth, J. Roger, M. L. Gilliand, and R. D. Sumser, to Ametek, Inc. Brushless direct current motor. 3,321,661, 5–23–67, Cl. 318—138.
Toth, John A., and S. A. Hansen, to The Torrington Co. Mounting for multiple-row roller bearings. 3,304,139, 2–14–67, Cl. 308—207.
Toth, John E. Adjustable French curve. 3,299,519, 1–24–67, Cl. 33—177.
Toth, John L.: *See*—
Fairbanks, Edward R., Reed, and Toth. 3,310,650.
Toth, Joseph M., Jr.: *See*—
Price, James W., and Toth. 3,321,347.
Toth, Leo A., to The Torrington Co. Two-point self-aligning bearing support. 3,302,984, 2–7–67, Cl. 308—29.
Toth, Leo A., and W. H. Carter, to The Torrington Co. Combined axial and rotary bearing. 3,311,427, 3–28–67, Cl. 308—6.
Toth, Louis C.: *See*—
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Toti, Andrew J. Canopy construction. 3,332,179, 7–25–67, Cl. 52—90.
Totland, Ingvald. Sealing strip devices. 3,302,334, 2–7–67, Cl. 49—312.
Toto, William. Terminal for a spiral wound kickless water-cooled welding cable and method of making the same. 3,340,346, 9–5–67, Cl. 174—15.
Toto, William A. Passageway structure for liquid coolant at gun and transformer ends of welding cable having novel internal surface bearing for alternate polarity strands. 3,333,044, 7–25–67, Cl. 174—15.
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Touchy, Wolfgang, to Siemens & Halske Aktiengesellschaft. Pressure-sensitive semiconductor device of the transistor type. 3,319,082, 5–9–67, Cl. 307—88.5.
Touchman, William S., to The National Cash Register Co. Intermittent motion apparatus. 3,309,988, 3–21–67, Cl. 101—93.
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Tourtellot, John A., to Radio Corp. of America. Automatic record changer. 3,307,851, 3–7–67, Cl. 274—15.
Tourtellot, John A., to Radio Corp. of America. Phonograph pickup. 3,309,469, 3–14–67, Cl. 179—100.41.
Tourtellot, John A., to Radio Corp. of America. Electric motor. 3,341,723, 9–12–67, Cl. 310—68.
Tourtellot, John A., and R. P. Peterson, to Radio Corp. of America. Suspension system for stereophonic pickups. 3,356,374, 12–5–67, Cl. 247—24.
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Toussaint, Hans-Norbert, and F. Krieger, to Siemens & Halske Aktiengesellschaft. Pressure sensitive semiconductor device. 3,319,140, 5–9–67, Cl. 317—235.
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Bloyaert, Felix, and Toussaint. 3,320,227.
Touvay, Robert, to Compagnie de Saint-Gobain. Rotatable current baffle in glass flow furnace. 3,321,289, 5–23–67, Cl. 65—340.
Touvay, Robert, to Compagnie de Saint-Gobain. Method of and apparatus for forming flat glass on a liquid bath. 3,328,147, 6–27–67, Cl. 65—65.
Touyet, Roger. Arrangement for the safe conveyance of bills and notes. 3,344,757, 10–3–67, Cl. 109—25.
Touzalin, Robert E.: *See*—
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Touzalin, Robert E., and R. R. Patrick, to Interlake Steel Corp. Method of mixing molten metal. 3,313,528, 4–11–67, Cl. 259—51.
Touze, Pierre, to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Continuous wire winding device. 3,347,477, 10–17–67, Cl. 242—25.
Touze, Pierre, to Compagnie Francaise Thomson-Houston-Hotchkiss Brandt. Cooled sheave assembly, particularly for wire enamelling apparatus. 3,356,133, 12–5–67, Cl. 165—47.
Tow, Dorathy A. Heddle. 3,302,666, 2–7–67, Cl. 139—96.
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Tower, Stephen N., and T. Stern, to Westinghouse Electric Corp. Integral boiling and superheating nuclear reactor and pressure tube assembly therefor. 3,311,540, 3–28–67, Cl. 176—53.
Towle, Jack L., and D. G. Block, to Kewanee Oil Co. Bis-(β-oxypropionamido) - alkynes. 3,320,315, 5–16–67, Cl. 260—561.
Towle, Jack L., J. A. Zelek, and G. R. Pellon, to Kewanee Oil Co. Benzothiazole monoazo dyes. 3,342,800, 9–19–67, Cl. 260—158.
Towle, Philip H.: *See*—
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Trepka, William J., to Phillips Petroleum Co. Polymerization using a catalyst comprising an alkyllithium and a benzyl mercaptan. 3,324,099, 6–6–67, Cl. 260—94.4.
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Tritsmans, Paul A., to Societe Industrielle Belge des Petroles S.A. Separation of waxy hydrocarbons from oils by flotation. 3,347,775, 10–17–67, Cl. 208—28.
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Tschantz, William H. Frozen meat block chipping apparatus. 3,330,319, 7–11–67, Cl. 146—151.
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Turbak, Albin F., A. Noshay, and G. Karoly, to Esso Research and Engineering Co. Dyeable polyolefins. 3,299,030, 1–17–67, Cl. 260—93.7.
Turbanti, Luigi. 2-tertiary amino alkoxy-beta-phenyl propiophenones. 3,312,696, 4–4–67, Cl. 260—247.7.
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Wyatt, William K. 3,327,462.
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Tuvert, Johan E. Bedding device. 3,355,748, 12–5–67, Cl. 5—334.

Tuvert, Johan E. Button fastener. 3,359,603, 12–26–67, Cl. 24—90.

Tuwiner, Sidney B. Water extraction by freezing. 3,314,-881, 4–18–67, Cl. 210—59.

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Twele, Gunther, and K. H. Rothaug, deceased (by J. H. Rothaug, nee Werner, heir and legal representative of minor heirs), to Kalle Aktiengesellschaft. Earth embankment with internal water barrier. 3,343,370, 9–26–67, Cl. 61—31.

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Tyler, Stanley R., to Dowty Fuel Systems Ltd. Fuel supply system for jet propulsion engines. 3,316,712, 5–2–67, Cl. 60—39.28.
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Tyler, William E., III, and J. R. Lovett, to Esso Research and Engineering Co. Process for preparing an NF_2 containing nitrate. 3,346,619, 10–10–67, Cl. 260—467.
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Uchida, Kazuo, K. Miyauchi, and M. Fujimoto, to Yamasa Shoyu Co., Ltd. Preparation of 5′-guanylic acid by fermentation. 3,309,285, 3–14–67, Cl. 195—28.
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Uchimaru, Kiyoshi, and Y. Shimono, to Nippon Electric Co., Ltd. Ultra-short-wave dielectric heating equipment. 3,309,489, 3–14–67, Cl. 219—10.75.
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Udelson, Burton J., to United States of America, Army. High efficiency transverse-field traveling wave tube having fast wave dissipative coupler between interaction circuit and collector for decelerating electrons. 3,302,053, 1–31–67, Cl. 315—36.
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Uden, Rupert H. Concrete mixing machine. 3,306,589, 2–28–67, Cl. 259—154.
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Calvert, William L. 3,333,392.
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Union Insulating Co., Inc.: *See*—
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Bernard, George G. 3,299,953.
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Biddick, Royce E., and Howard. 3,311,508.
Bond, Donald C. 3,306,320.
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Deering, Roland F., and Ballard. 3,342,193.
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McMahon, Robert D., Becker, and Wright. 3,346,429.
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Foster, Joseph W. 3,355,023.
Fritz, William E. 3,296,980.
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Fritz, William E. 3,316,858.
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Knutsen, Herbert K., and Kinghorn. 3,319,329.
Krauskopf, William B. 3,313,020.
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Kryzer, Benjamin H., and Schoenecker. 3,306,450.
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O'Shea, Francis X. 3,330,804.
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Hart, Burt E. 3,302,096.
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Manoni, Lawrence R., Jr. 3,305,671.
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Maxwell, Douglas H., and Suyama. 3,343,982.
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Barron, Joseph E., and Soboleski. 3,330,642.
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Black, Sheppard A., and Heide. 3,297,073.
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Hageman, Howard A., and Hubbard. 3,318,677.
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Healy, Francis P. 3,315,416.
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Parsons, Kenneth W. 3,333,512.
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Universal Container Corp.: *See*—
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Juhl, James L., and Tufty. 3,319,817.
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Bloch, Herman S. 3,355,484.
Bloch, Herman S., and Nixon. 3,324,193.
Bloch, Herman S., and Nixon. 3,336,410.
Bloch, Herman S., and Riedl. 3,360,586.
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Breunich, Theodore R. 3,342,959.
Broughton, Donald B. 3,305,456.
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Broughton, Donald B. 3,318,803.
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Cox, William L. 3,304,284.
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Cyba, Henryk A. 3,297,628.
Cyba, Henryk A. 3,301,888.
Cyba, Henryk A. 3,331,892.
Cyba, Henryk A. 3,337,654.
Cyba, Henryk A. 3,349,103.
Cyba, Henryk A. 3,349,110.
Cyba, Henryk A. 3,359,347.
Cyba, Henryk A., and Rosenwald. 3,324,158.
Czajkowski, George J., and Liakakos. 3,296,118.
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De Rosset, Armand J. 3,303,229.
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Denny, Walter A., and Verner. 3,311,456.
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Hayes, John C. 3,342,751.
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Urschel, Joe R. Bean snipper machine. 3,318,350, 5–9–67, Cl. 146—86.
Urscheler, Jack A. Tension devices for embroidery machines. 3,356,050, 12–5–67, Cl. 112—97.
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Ursprung, Joseph J., and W. C. Anthony, to The Upjohn Company. 1,2-dihydro-1-hydroxy-5,6-tri-and 5,6-tetramethylene pyrimidines. 3,357,981, 12–12–67, Cl. 260—256.4.

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Usami, Noboru, T. Aida, S. Narita, M. Ogino, and K. Kitamura, to Kabushiki Kaisha Hitachi Seisakusho. Color-television receiving system using beam-indexing signal. 3,328,516, 6–27–67, Cl. 178—5.4.

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Usry, Joe D., and R. L. Warren, to Ling-Temco-Vought, Inc. Injectant stream analyzer. 3,338,093, 8–29–67, Cl. 73—119.

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Vacca, Luigi, and D. L. Ferris, to United States of America, Navy. Mechanical blade locks. 3,343,610, 9–26–67, Cl. 170—160.12.

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Valente, Carlo E. Coin operated automatic vending machine, to brew and distribute hot coffee in cups. 3,345,933, 10–10–67, Cl. 99—283.

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Vedvik, Andrew H., to Oscar Mayer & Co., Inc. Sausage skinning machine. 3,337,905, 8–29–67, Cl. 17—1.

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Villani, Frank J., to Schering Corp. Novel aza-dibenzo[a,d]-cycloheptene derivatives. 3,326,924, 6–20–67, Cl. 260—293.

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Vogelpohl, Roland L., to Owens-Illinois Glass Co. Mold and plunger for pressing flanged glass articles. 3,298,813, 1–17–67, Cl. 65—305.

Vogelsang, Roger G. Safety float for marine craft. 3,324,816, 6–13–67, Cl. 114—68.
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Vosbikian, Peter S. Cleaning device. 3,324,494, 6–13–67, Cl. 15—105.

Vosburg, John F., deceased, by R. G. Vosburg, executrix. Progressively collapsible mold to accommodate shrinkage in casting. 3,324,937, 6–13–67, Cl. 164—342.

Vosburg, Guy M., to Weber Marking Systems, Inc. Ink distributing hand stamp. 3,335,660, 8–15–67, Cl. 101—125.

Vosburg, Ruth G.: *See*—
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Vose, Fred C., to General Electric Co. Polymeric insulator with means for preventing burning due to leakage current and arcs. 3,328,515, 6–27–67, Cl. 174—140.

Voser, Albert, to Inventio Aktiengesellschaft. Guilding device for elevator. 3,332,517, 7–25–67, Cl. 187—95.

Vosika, Eugene A., and G. Schaaf, to Ramsey Engineering Co. Apparatus for handling magnetic cores having an asymmetrically located center of gravity. 3,307,670, 3–7–67, Cl. 193—43.

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Robinson, Travillis B. 3,307,764.

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Voss, Francis D. Truck lift. 3,329,400, 7–4–67, Cl. 254—2.

Voss, Gunther, to Instituto Nacional de Industria-Cento de Estudios Tecnicos de Materiales Especiales Ini-Cetme. Rifle bullet. 3,357,357, 12–12–67, Cl. 102—92.3.

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Voss, Joseph A., and C. W. Johnson; said Johnson assor. to said Voss. Methods of making hygienic devices. 3,358,354, 12–19–67, Cl. 29—419.

Voss, Paul U. Continuous equipment for pickling and slitting strip steel. 3,338,208, 8–29–67, Cl. 118—38.

Voss, Raymond G., to Phillips Petroleum Co. Flexible conveying apparatus. 3,360,108, 12–26–67, Cl. 198—213.

Voss, Robert H., to The Mosler Safe Co. Method and apparatus for the air assisted insertion of file cards. 3,301,554, 1-31-67, Cl. 271—87.

Voss, Robert J., to Voss Belting & Specialty Co. Conveyor belts. 3,324,991, 6-13-67, Cl. 198—193.

Voss, Ronald, to The Carborundum Co. Abrasive coated backing of sheathed synthetic fiber yarns. 3,316,072, 4-25-67, Cl. 51—294.

Vosseler, Gerhard, to G. Ceppi. Oscillator for time pieces. 3,343,365, 9-26-67, Cl. 58—23.

Vossen, Edward, to Stop-Motion Devices Corp. Double throw needle protector. 3,323,333, 6-6-67, Cl. 66—166.

Vossen, Jacobus C. A. Process of manufacturing a pigment from titanium dioxide and zinc oxide. 3,337,358, 8-22-67, Cl. 106—292.

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Vossieck, Paul, to Goetzewerke Friedrich Goetze Aktiengesellschaft. Stressing element for piston rings. 3,342,476, 9-19-67, Cl. 267—1.5.

Vossieck, Paul, to Goetzewerke Friedrich Goetze A.G. Tensioning spring for piston rings. 3,358,988, 12-19-67, Cl. 267—1.5.

Vought, Robert H., and H. Kasch, to General Electric Co. R.F. measuring device using a solid state heat pump calorimeter. 3,355,666, 11-28-67, Cl. 324—106.

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Vozeolas, El G. and A. G. Coil pick-up and tube recorder system. 3,322,897, 5-30-67, Cl. 179—1.

Vrablik, Richard J. High speed automated painting device. 3,298,352, 1-17-67, Cl. 118—4.

Vrana, George, to Riegel Paper Corp. Packaging liner. 3,319,-867, 5-16-67, Cl. 229—14.

Vrana, John C. Lint collector for washing machines. 3,310,-969, 3-28-67, Cl. 68—18.

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Vrancken, Marcel N., D. A. Claeys, A. J. Van Paesschen, and J. B. Lambrechts, to Gevaert Photo-Producten N.V. Noncurling multilayer material. 3,300,313, 1-24-67, Cl. 96—87.

Vrancken, Marcel N., J. F. Willems, A. J. Van Paesschen, and J. T. Lemmerling, to Gevaert Photo-Producten N.V. Hardening of polymers containing carboxyl groups. 3,313,-784, 4-11-67, Cl. 260—78.4.

Vrancken, Marcel N., and D. A. Claeys, to Gevaert Photo-Producten N.V. Preparation of microcapsules. 3,328,257, 6-27-67, Cl. 167—83.

Vrancken, Marcel N., A. J. Van Paesschen, and J. F. Willems, to Gevaert Photo-Producten N.V. Water-soluble polytertiary amino compounds for decreasing the viscosity of photographic gelatin-polymer solutions. 3,357,832, 12-12-67, Cl. 96—94.

Vranesic, Eli I, to W. R. Grace & Co. Display carton. 3,332,-545, 7-25-67, Cl. 206—45.31.

Vranian, Henry. Packing means. 3,296,993, 1-10-67, Cl. 114—69.

Vrbaski, Theodore, to Sinclair Research, Inc. Oxidation of aromatic compound. 3,300,516, 1-24-67, Cl. 260—346.4.

Vrbaski, Theodore, to Sinclair Research, Inc. Oxidation of aromatic compounds. 3,306,915, 2-28-67, Cl. 260—346.7.

Vreeland, Jay H., and G. Feick III, to Anaconda Wire and Cable Co. Method for testing a dielectric liquid. 3,320,-529, 5-16-67, Cl. 324—62.

Vreeland, Thad, Jr., to California Institute Research Foundation. Diameter gauge. 3,303,572, 2-14-67, Cl. 33—178.

Vrolijks, Matthijs H. M., and J. Koorneef, to North American Philips Co., Inc. Method of manufacturing parts of annular magnetic heads. 3,333,332, 8-1-67, Cl. 29—603.

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Vsesojuzny Nauchno-Issledovatelsky Institute Burovoi Tekhniki: *See*—
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Vukasovich, Mark S., and T. M. Harkulich, to Horizons Inc. Glass bead making apparatus. 3,341,314, 9-12-67, Cl. 65—142.

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Vulliez, Paul, ½ to Commissariat a l'Energie Atomique. Device for the transmission of movements. 3,349,632, 10-31-67, Cl. 74—89.15.

Vullo, William J., to Hooker Chemical Corp. Process and composition for phosphatizing metals. 3,338,754, 8-29-67, Cl. 148—6.15.

Vullo, William J., and D. H. Campbell, to Hooker Chemical Corp. Process and composition for phosphatizing metals. 3,297,495, 1-10-67, Cl. 148—6.17.

Vulmiere, Huguette N.: *See*—
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Vuolle-Apiala, Antti K. A. Fluid drive power transmission. 3,334,546, 8-8-67, Cl. 91—75.

Vural, Bayram, to Radio Corp. of America. Spin wave traveling wave amplifiers. 3,350,656, 10-31-67, Cl. 330—5.

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Vye, Earl F. Magnetic adjustable pole piece strip holder clamp. 3,321,170, 5-23-67, Cl. 248—361.

Vykukal, Hubert C., to United States of America, National Aeronautics and Space Administration. Universal pilot restraint suit and body support therefor. 3,302,633, 2–7–67, Cl. 128—1.

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Wachter, James P., to Miles Laboratories, Inc. Composition and method for determining uric acid. 3,335,069, 8–8–67, Cl. 195—103.5.

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Walker, Eugene J., to Westinghouse Electric Corp. Circuit breaker with improved thermal and electromagnetic trip means. 3,309,635, 3–14–67, Cl. 335—35.
Walker, Francis H., and A. E. Pavlath, to Stauffer Chemical Co. Fluorination of olefins with arsenic chlorofluoro complex. 3,321,537, 5–23–67, Cl. 260—653.
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Walker, George F., to Commonwealth Scientific and Industrial Research Organization. Suspensions of silicate layer minerals and products made therefrom. 3,325,340, 6–13–67, Cl. 161—168.
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Walker, George W., deceased, by J. M. Theiler and H. E. McGill, executrices, to A. F. Wintercorn. Method of separating ore particles. 3,349,904, 10–31–67, Cl. 209—29.
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Walker, Gordon N., W. L. Bencze, and J. B. Ziegler, to Ciba Corp. Beta-hydroxy bis heterocyclic aryl derivatives of acrylonitrile. 3,337,566, 8–22–67, Cl. 260—294.9.
Walker, Gordon N., W. L. Bencze, and J. B. Ziegler, to Ciba Corp. Beta-hydroxy di-hetero cyclic aryl derivatives of acrylamides. 3,337,567, 8–22–67, Cl. 260—295.
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Walker, James H., ½ each to L. L. Dills and R. W. Calloway. Three denominational stamp dispensing machine. 3,358,880, 12–19–67, Cl. 221—7.
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Walker, Richard L., to E. I. du Pont de Nemours and Co. Process for preparing N,N′-diarylperylenetetracarboxylic diimides. 3,340,264, 9–5–67, Cl. 260—281.
Walker, Richard L., to General Electric Co. Low tape sensing apparatus. 3,353,764, 11–21–67, Cl. 242—57.
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Wallace, Edward M., and W. M. Preston, to Wallace Mfg. Corp. Pruning cutter. 3,336,667, 8–22–67, Cl. 30—135.
Wallace, Elvis D., to United States of America, National Aeronautics and Space Administration. Valve seat with resilient support member. 3,327,991, 6–27–67, Cl. 251—172.
Wallace, Eugene E., to Wagner Electric Corp. Automatic adjustor mechanism. 3,326,331, 6–20–67, Cl. 188—79.5.
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Wallace, Kurt F., to Ampex Corp. Electron beam readout system. 3,317,713, 5–2–67, Cl. 235—61.11.
Wallace, Kurt F., to Ampex Corp. Electron beam readout system with beam control circuit. 3,333,254, 7–25–67, Cl. 340—173.
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Wallace, Richard B., to The Oakland Corp. Friction lock screw. 3,306,330, 2–28–67, Cl. 151—7.
Wallace, Richard B., to The Oakland Corp. Auto-pilot. 3,358,633, 12–19–67, Cl. 114—144.
Wallace, Robert G., to Phillips Petroleum Co. Melt blending of polyolefins. 3,299,186, 1–17–67, Cl. 260—897.
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Wallenfels, Kurt, and K. Friedrich, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Hexacyanobenzene. 3,297,739, 1–10–67, Cl. 260—465.

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Waller, Arthur, to Bull Dog Lock Co. Spacer means for packaging of mirrors and the like. 3,321,075, 5–23–67, Cl. 206—62.

Waller, Charles D. Screw actuated dispenser. 3,333,740, 8–1–67, Cl. 222—182.

Waller, John G., and A. G. Monroe, to The British Oxygen Co. Ltd. Apparatus for converting oxygen to ozone. 3,335,-080, 8–8–67, Cl. 204—322.

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Wallick, Hyman, to Merck & Co., Inc. Controlling antibiotic resistant strains of micrococcus pyogenes and other pathogenic bacteria with novobiocin and other antibiotics. 3,350,267, 10–31–67, Cl. 167—65.

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Wallin, Carl O. H. Arrangement in pulleys for ropes and hawsers. 3,202,932, 2–7–67, Cl. 254—190.

Wallin, Sten O., to Aktiebolaget Bofors. Cartridge-guiding device of an automatic gun. 3,314,332, 4–18–67, Cl. 89—45.

Wallin, Sven, to Aktienbolaget Svenska Flaktfabriken. Cleaning device for frame-mounted net filters. 3,306,012, 2–28–67, Cl. 55—294.

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Wallingford Vernon H., to Mallinckrodt Chemical Works. Triiodated benzoic acids. 3,346,630, 10–10–67, Cl. 260—518.

Wallingford, Vernon H., to Mallinckrodt Chemical Works. N-substituted-2,4,6-triiodoanilic acids and salts thereof. 3,359,-278, 12–19–67, Cl. 260—326.5.

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Walsh, Robert R., to All American Engineering Co. Self-regulated battery charger. 3,321,692, 5–23–67, Cl. 320–40.

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Wang, Samuel S. M., to The Dow Chemical Co. Piperazine 2,6-diiodo-4-nitrophenyl phosphate. 3,347,862, 10–17–67, Cl. 260—268.
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Ward, Frank L., to Clarostat Mfg. Co., Inc. Incremental resistance module. 3,334,323, 8–1–67, Cl. 338—77.
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Cofer, Daniel B., Proctor, and Ward. 3,333,624.
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Warnell, Joseph L., to E. I. du Pont de Nemours and Co. Crosslinkable polymers formed from iodine-containing perfluoroalkyl vinyl ethers. 3,351,619, 11–7–67, Cl. 260—80.76.

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Taylor, Sidney. 3,349,205.

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Warner, John M. Combined beverage and refrigerant containers. 3,338,067, 8–29–67, Cl. 62—264.

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Warner, Paul F., to Phillips Petroleum Co. Process of converting mercaptans to disulfides. 3,340,324, 9–5–67, Cl. 260—608.

Warner, Paul F., and J. L. Willis, to Phillips Petroleum Co. Extractive distillation of sulfolane with an isoparaffinic hydrocarbon entrainer. 3,352,765, 11–14–67, Cl. 203—70.

Warner, Philip C., to United Power Co. Ltd. Moderator cores for nuclear reactors. 3,351,535, 11–7–67, Cl. 176—84.

Warner, Philip C., and J. C. Bennett, to United Power Co. Ltd. Gas-cooled, graphite-moderated nuclear reactor. 3,342,691, 9–19–67, Cl. 176—60.

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Warner, Robert E. Domestic hot water storage supply system. 3,330,332, 7–11–67, Cl. 165—26.

Warner, Roger J., and R. E. Gilbert. Fishing tackle box. 3,350,810, 11–7–67, Cl. 43—57.5.

Warner, Ronald E., and I. Johnsson, to Westinghouse Electric Corp. Rotor structure for an elastic fluid utilizing machine. 3,304,052, 2–14–67, Cl. 253—39.

Warner, Samuel R. Air distribution system for a self-propelled land vehicle such as an automobile. 3,295,431, 1–3–67, Cl. 98—2.

Warner, Stanley D., to Lockheed Aircraft Corp. Cathodic protection circuit including diode means. 3,330,751, 7–11–67, Cl. 204—196.

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Wartell, Harry, to Harlee-George, Inc. Article dispenser having empty supply source responsive means. 3,298,566, 1–17–67, Cl. 221—19.

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Wartman, Lloyd H., and C. E. Ladish, to Union Carbide Corp. Polyolefin compositions stabilized with epoxyalkanoamides. 3,349,056, 10–24–67, Cl. 260—30.4.

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Washburn, Robert M., and R. A. Baldwin, to American Potash & Chemical Corp. Polymeric phosphoranes, arsanes and stibanes and process for making the same. 3,341,478, 9–12–67, Cl. 260—2.
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Wellman, Robert J., to United States Steel Corp. Rod-charging machine. 3,331,488, 7–18–67, Cl. 198—127.
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Anstett, Raymond M., Wellman, and Andrews. 3,340,196.
Wellmar, Sven, and B. E. Löfgren, to Svenska Flaktfabriken Aktiebolaget. Method for heat recovery in pneumatic dryers. 3,325,907, 6–20–67, Cl. 34—10.
Wellons, Charles L. Fuel cell. 3,330,259, 7–11–67, Cl. 122—2.
Wellons, Charles L. Silo unloader. 3,339,759, 9–5–67, Cl. 214—17.
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Wells, Alfred C., to A. Wells & Co., Ltd. Wire coiling machine. 3,313,325, 4–11–67, Cl. 140—103.
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Wells, Donald G., to Armstrong Cork Co. Sampling apparatus. 3,339,700, 9–5–67, Cl. 198—31.
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Wells, Ralph P. and J. L. 3,303,595.
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Wells, Frederic E., to United States of America, National Aeronautics and Space Administration. Positive displacement flowmeter. 3,323,362, 6–6–67, Cl. 73—194.
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Wells, Hugh A.: *See*—
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Wells, Melvin J., to Western Geophysical Co. of America. Pneumatic technique for catching or scaring fish. 3,309,807, 3–21–67, Cl. 43—14.
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Wells, Novell E. Apparatus for topping sugar beets and saving the severed tops. 3,306,017, 2–28–67, Cl. 56—121.45.
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Welsh Alan B., to W. W. Kimball Co. Two channel tremolo. 3,329,761, 7–4–67, Cl. 84—1.18.
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Welsh, Herbert F., deceased (by J. S. Chapline, executrix), and L. D. Wilson, to Sperry Rand Corp. Verifier. 3,310,-787, 3–21–67, Cl. 340—172.5.

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Welter, Egon, deceased, (by E. Welter-Kluft, executrix, to H. A. Schlatter A.G. Arrangement for removing burrs from welds. 3,336,839, 8–22–67, Cl. 90—24.

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Welty, Frank, to The Vendo Co. Beverage mixing and dispensing system. 3,317,084, 5–2–67, Cl. 222—57.

Welty, Frank, to The Vendo Co. Temperature and pressure compensated liquid flow control. 3,332,436, 7–25–67, Cl. 137—468.

Welty, Frank. Apparatus for controlling the rate of flow of liquids. 3,335,749, 8–15–67, Cl. 137—504.

Welty, Frank. Device for controlling the rate of flow of fluids. 3,351,087, 11–7–67, Cl. 137—504.

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Weman, Per O., to Sigmatex A.G. Fastening means for a three-point safety belt, particularly for motor vehicles. 3,348,881, 10–24–67, Cl. 297—388.

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Wenderoth, Hans-Georg, and W. G. Froede, to NSU Motorenwerke Aktiengesellschaft, and Wankel G.m.b.H. Sealing arrangement for rotary mechanisms. 3,323,713, 6–6–67, Cl. 230—145.

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Wilcox, Isaac L., to Phillips Petroleum Co. Container. 3,355,-083, 11–28–67, Cl. 229—17.
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Wilcox, Jack E., to International Telephone and Telegraph Corp. Camera tube target protection system employing variable raster size to prevent "burn-in." 3,335,220, 8–8–67, Cl. 178—7.2.
Wilcox, Jack E., to Philco-Ford Corp. Error-free data transmission system. 3,344,353, 9–26–67, Cl. 325—41.
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Wilcox, Orland W., and J. A. Stapenhill, to Sierra Engineering Co. Connector regulator for breathing mask. 3,308,-815, 3–14–67, Cl. 128—142.
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Wild, Hans F., H. H. Oelerich, and H. R. Hiss, to Fabrik Fur Firestone Produkte AG. Vehicle tires. 3,301,302, 1–31–67, Cl. 152—354.
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Wild, Werner, to Elektro-Watt Elektrische und Industrielle Unternehmungen A.G. Device for protection from and detection of leaks in pipelines conveying liquids or gases. 3,339,-415, 9–5–67, Cl. 73—40.5.
Wildberger, John, to Canadian General Electric Co., Ltd. Position regulating device. 3,296,521, 1–3–67, Cl. 323—80.
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Wilde, Geoffrey L., and J. F. Coplin, to Rolls-Royce Ltd. Aircraft. 3,302,907, 2–7–67, Cl. 244—55.
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Wilde, Geoffrey L., and J. F. Coplin, to Rolls-Royce Ltd. Turbojet engine with compressor bypass and AFT fan. 3,348,379, 10–24–67, Cl. 60—226.
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Wilder, Charles R., to Phillips Petroleum Co. Cis-1,4-polybutadiene metal salt compositions having improved processability. 3,317,446, 5–2–67, Cl. 260—27.
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Wilderman, Giles H., to Wilderman Drilling Ltd. Drilling rig. 3,351,142. 11–7–67, Cl. 173—147.
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Wiley, Fred E., and H. C. Wain, to Phillips Petroleum Co. Continuous production of biaxially oriented, crystalline, thermoplastic film. 3,315,308, 4–25–67, 18—14.
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Wiley, Paul F., to The Upjohn Co. Sparsomycin a dihydrogen phosphate. 3,338,881, 8–29–67, Cl. 260—211.5.
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Wilford, Ernest, to The Bradford Dyers Association Ltd. Apparatus for conveying carpets. 3,320,647, 5–23–67, Cl. 26—2.

Wilford, Paul B., to United States of America, Navy. Radome nose for a missile, and method of making same. 3,336,873, 8–22–67, Cl. 102—105.

Wilford, Paul B., to United States of America, Navy. Nozzle assembly and method of molding same. 3,351,691, 11–7–67, Cl. 264—90.

Wilhelm, Alfred, and A. Lohr, to Firma F. Kuppersbusch & Sohne Aktiengesellschaft. Roasting device. 3,295,434, 1–3–67, Cl. 99—346.

Wilhelm, Alfred, and A. Löhr, to Firma F. Kuppersbusch & Sohne Aktiengesellschaft. Steam cooking apparatus. 3,353,477, 11–21–67, Cl. 99—360.

Wilhelm, Andrew R., to United States of America, Navy. Missile transfer car. 3,319,908, 5–16–67, Cl. 248—21.

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Wilhelm, John W., and W. H. Kliever, to Skidmore-Wilhelm Mfg. Co. Ultrasonic bolt tension tester. 3,306,100, 2–28–67, Cl. 73—67.2.

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Wilhite, Verbon H. B., to Thiokol Chemical Corp. Rotary device. 3,332,235, 7–25–67, Cl. 60—39.35.

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Wilhoyte, Howard J., to Topper Tools, Inc. Leg extension device. 3,346,882, 10–17–67, Cl. 3—4.

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Williams, Betty J. Teaching device. 3,333,351, 8–1–67, Cl. 35—35.

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Williams, Chester I. Rotatively-set anchor assembly for a mine bolt. 3,349,662, 10–31–67, Cl. 85—74.

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Willis, Robert S. 3,331,396.
Willis, Frederick A., Jr.: *See*—
Mason, Ronald C., Strzelewicz, and Willis. 3,316,701.
Willis, Frederick A., Jr., to Whitin Machine Works. Electric control circuit. 3,317,800, 5–2–67, Cl. 317—137.
Willis, Gerald R.: *See*—
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Willis, James M., and R. L. Denecour, to The Firestone Tire & Rubber Co. Pneumatic tire. 3,311,151, 3–28–67, Cl. 152—330.
Willis, John G., to International Standard Electric Corp. Electrical signal modulator. 3,327,246, 6–20–67, Cl. 332—38.
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Tiede, Ralph L., Glaser, and Willis. 3,358,066.
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Willis, Nathaniel, to Dow Corning Corp. Polyvinyl chloride stabilized by silazanes. 3,344,110, 9–26–67, Cl. 260—45.9.
Willis, Philip J.: *See*—
Ford, James M., Minish, and Willis. 3,353,937.
Willis, Robert S.: *See*—
Baker, William J. 3,331,583.
Willis, Robert S., deceased to E. N. Willis, executrix, and R. W. Willis, trustee. Orifice valve. 3,331,396, 7–18–67, Cl. 137—625.31.
Willis, Wilfred E., to J. S. Campbell, d.b.a. Quality Casting Systems. Pressure pour apparatus. 3,347,427, 10–17–67, Cl. 222—399.
Willis, William D.: *See*—
Robinson, Anderson E., and Willis. 3,341,491.
Willis, William D., to Hercules Inc. Covulcanizing process. 3,351,517, 11–7–67, Cl. 161—184.
Willis, William J., to Avco Corp. Multiline digital buffer. 3,331,060, 7–11–67, Cl. 340—172.5.
Willis, William T. Device for handling eating utensils, 3,330,-576, 7–11–67, Cl. 280—79.3.
Willison, Donald, K. L. De Penti, and H. B. Weber, to Midland-Ross Corp. Articulated railway vehicle. 3,354,836, 11–28–67, Cl. 105—3.
Willison, Richard M.: *See*—
Mayer, Edward H., Rahn, and Willison. 3,325,259.
Mayer, Edward H., and Willison. 3,312,546.
Ward, George W., and Willison. 3,340,054.
Williston, Edward M., A. S. Gregory, and C. C. Heritage, to Weyerhaeuser Co. Method of making paper stiffened with waste pulp liquor solids. 3,305,435, 2–21–67, Cl. 162—117.
Willits, Charles O., and J. C. Underwood, Sr., to United States of America, Agriculture. Continuous process for high-flavoring maple sirup. 3,356,508, 12–5–67, Cl. 99—142.
Willits, Samuel P., to Spartanics Ltd. Symmetrically saturated position servo control with dual amplitude optical offset scanning. 3,335,281, 8–8–67, Cl. 250—202.
Willman, Bertram T., and C. T. Hester, to Esso Production Research Co. Downhole water filter. 3,314,481, 4–18–67, Cl. 166—205.
Willmann, Bernard J., to Ets Martel-Catala & Cie. Method for weaving endless belts. 3,306,322, 2–28–67, Cl. 139—20.
Willmann, Donald F., to Avco Corp. Tuning shaft positioning system. 3,300,011, 1–24–67, Cl. 192—142.
Willmann, Donald F., and W. T. Wood, to Avco Corp. Tuner structure with printed circuit cards, actuating means and cantilever spring contact. 3,327,072, 6–20–67, Cl. 200—14.
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Bell, James S. 3,313,549.
Willmot-Breeden Ltd.: *See*—
Goodey, David C. 3,320,799.
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Strauss, Wennemar, Willmund, and Kirstahler. 3,298,937.
Willmund, Wolf-Dieter, to Dehydag Deutsche Hydrierwerke G.m.b.H. Sulfobetaines and process for the preparation thereof. 3,337,564, 8–22–67, Cl. 260—294.8.
Willmund, Wolf-Dieter, and W. Strauss, to Dehydag Deutsche Hydrierwerke G.m.b.H. Acid nickel electroplating baths and processes. 3,314,868, 4–18–67, Cl. 204—49.
Willner, Oskar, and R. Karkutt, to Gebr. Eickhoff Maschinenfabrik und Eisengiesserei, m.b.H. Coal removing machine. 3,301,373, 1–31–67, Cl. 198—10.
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Willoughby, Richard W., to Athey Products Corp. Conveyor discharge apparatus. 3,331,487, 7–18–67, Cl. 198—68.
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Willrett, Helmut, H. Schönemeyer, and H. Siegel, to International Standard Electric Corp. Class of service telephone system. 3,350,507, 10–31–67, Cl. 179—18.
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Willson, Jack E., and J. M. Steadle, Jr., to Ingersoll-Rand Co. Power fastener device. 3,298,090, 1–17–67, Cl. 29—240
Willson, James R., to Robertshaw Controls Co. Double burner oven control system. 3,312,396, 4–4–67, Cl. 236—15.
Willson, James R., to Robertshaw Controls Co. Double burner oven control system. 3,312,397, 4–4–67, Cl. 236—15.
Willson, James R., to Robertshaw Controls Co. Probe apparatus and method. 3,323,724, 6–6–67, Cl. 236—46.
Willson, James R., to Robertshaw Controls Co. Control device and parts therefor or the like. 3,341,120, 9–12–67, Cl. 236—68.
Willson, James R., to Robertshaw Controls Co. Control device and parts therefor or the like. 3,344,989, 10–3–67, Cl. 236—99.
Willson, James R., to Robertshaw Controls Co. Automatic fuel control valve. 3,358,963, 12–19–67, Cl. 251—238.
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Wilmanns, Frederick A., and E. A. Ott, to The Weinbrenner Shoe Corp. Method of manufacturing outsoles. 3,327,334, 6–27–67, Cl. 12—142.
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Wilmer, Richard K., to International Business Machines Corp. Random access film strip storage system utilizing pneumatic selection and mechanical transport means. 3,302,829, 2–7–67, Cl. 221—88.
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Wilner, Leslie B., to Endevco Corp. Piezoresistive transducer. 3,351,880, 11–7–67, Cl. 338—6.
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Wilsey, Alfred S. 3,324,550.
Wilsey, Lawrence E. Cementing vibrator. 3,335,801, 8–15–67, Cl. 166—177.
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Wilson, Alexander C., ½ to Airflow Developments Ltd. Manometers. 3,303,703, 2–14–67, Cl. 73—401.
Wilson, Alexander I. Mills for rolling metal. 3,309,909, 3–21–67, Cl. 72—237.
Wilson, Alexander J., to Girling Ltd. Load adjusted brake control means for vehicles. 3,304,129, 2–14–67, Cl. 303—6.
Wilson, Alexander J., to Girling Ltd. Anti-skid device for vehicles. 3,310,350, 3–21–67, Cl. 303—60.
Wilson, Alexander J., to Girling Ltd. Brake control system. 3,331,641, 7–18–67, Cl. 303—21.
Wilson, Alexander L., to Corn Products Co. Saccharification of starch. 3,337,414, 8–22–67, Cl. 195—31.
Wilson, Alfred, to Colt Ventilation and Heating Ltd. Heat generating apparatus. 3,312,212, 4–4–67, Cl. 126—116.
Wilson, Arnold B., to Micro Wire Products. Foldable brassiere. 3,312,223, 4–4–67, Cl. 128—469.
Wilson, Billy W., to The Dow Chemical Co. Polysulfone flocculants. 3,308,102, 3–7–67, Cl. 260—79.3.
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Wilson, Burton D., to Eastman Kodak Co. Beta-ketoethyl onium salts as gelatin hardeners. 3,345,177, 10–3–67, Cl. 96—111.
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Wilson, Charles A., to Pall Corp. Self-cooling canned pump and refrigeration system containing the same. 3,306,074, 8–28–67, Cl. 62—505.
Wilson, Charles G., Sr., to United States Steel Corp. Floor-type radiant space heater. 3,359,964, 12–26–67, Cl. 126—91.
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Wilson, Charles P., Jr., B. Carr, and F. G. Ciapetta, to W. R. Grace & Co. Process for producing alumina gel. 3,352,636, 11–14–67, Cl. 23—143.
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Wilson, Christopher L., and D. G. Hutton, to Hudson Foam Plastics Corp. Apparatus for making foams. 3,319,937, 5–16–67, Cl. 259—8.
Wilson, Clifford D., Jr. Portable electric heating apparatus. 3,360,634, 12–26–67, Cl. 219—536.
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Subbaratnam, Anangur V. 3,345,263.
Wilson, Curtis L. Carburetor. 3,309,070, 3–14–67, Cl. 261—60.
Wilson, Curtis L. Vacuum cleaner. 3,318,075, 5–9–67, Cl. 55—228.
Wilson, Curtis L. Cartridge case trimmer-grinder. 3,324,600, 6–13–67, Cl. 51—74.
Wilson, Curtis L. Leveling device for vehicles. 3,328,019, 6–27–67. Cl. 267—11.
Wilson, Curtis L. Machine pistol having hydraulic breech locking and obturation. 3,336,838, 8–22–67, Cl. 89—197.
Wilson, Curtis L. Automatic chuck. 3,348,852, 10–24–67, Cl. 279—58.
Wilson, Curtis L. Vehicle stabilizer. 3,357,512, 12–12–67, Cl. 180—73.
Wilson, David A. Collapsible saw. 3,339,602, 9–5–67, Cl. 145—33.
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Wilson, David S.: *See*—
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Wilson, Donald S., to Rotron Mfg. Co., Inc. Diaphragm thrust bearing. 3,298,756, 1–17–67, Cl. 308—135.
Wilson, Douglas G., and T. V. Cornell, to General Motors Corp. Small signal operated-control system for electrical loads. 3,356,859, 12–5–67, Cl. 307—88.5.
Wilson, Earl W., and C. W. Hequembourg, to Eastman Kodak Co. Polyesters of tetraalkylcyclobutanediol. 3,360,547, 12–26–67, Cl. 260—485.
Wilson, Edgar, to Textron, Inc. Panel binding strip. 3,308,-598, 3–14–67, Cl. 52—717.
Wilson, Elias W. Air cleaner. 3,354,621, 11–28–67, Cl. 55—337.
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Moberg, Milton L., Wilson, and Meredith. 3,338,087.
Wilson, Erica M. S. Embroidery holders such as lap and floor holders with clamps therefor. 3,309,803, 3–21–67, Cl. 38—102.2.
Wilson, Ernest A., ½ to B. R. Loye. Hinge lock for vehicle doors. 3,336,075, 8–15–67, Cl. 296—146.
Wilson, Ernest V., to Esso Research and Engineering Co. Polypropylene compositions. 3,322,708, 5–30–67, Cl. 260—28.5.
Wilson, Ervin M. Musical instrument keyboard. 3,342,094, 9–19–67, Cl. 84—423.
Wilson, Eugene R., to The Procter & Gamble Co. Detergent composition. 3,338,838, 8–29–67, Cl. 252—161.
Wilson, Fillmore G.: *See*—
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Wilson, Forbes. Compressor and method. 3,349,996, 10–31–67, Cl. 230—52.
Wilson, Francis N.: *See*—
Palmer, Robert W., and Wilson. 3,307,934.
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Scuro, Samuel J., and Wilson. 3,296,033.
Wilson, George A., to I-T-E Circuit Breaker Co. Shock latch. 3,299,243, 1–17–67, Cl. 200—169.
Wilson, George A., to I-T-E Circuit Breaker Co. Spring closed circuit breaker. 3,301,984, 1–31–67, Cl. 200—153.
Wilson, George A., to I-T-E Circuit Breaker Co. Field discharge breaker. 3,301,985, 1–31–67, Cl. 200—153.
Wilson, George A., to I-T-E Circuit Breaker Co. Racking mechanism for disconnecting circuit breaker conductors from switch board conductors. 3,309,473, 3–14–67, Cl. 200—50.
Wilson, George A., and H. B. Dorsey, to The Bendix Corp. Tone control circuit. 3,332,041, 7–18–67, Cl. 333—28.
Wilson, George E. Brochure display apparatus. 3,340,998, 9–12–67, Cl. 206—44.
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Wilson, George O., to Federal-Mongul Corp. Bearing construction. 3,328,097, 6–27–67, Cl. 308—213.
Wilson, George O., and H. A. Ortegren, to Federal-Mogul-Bower Bearing, Inc. Bearing assembly and method. 3,301,616, 1–31–67, Cl. 308—217.
Wilson, George S. Blade guards for safety razors. 3,335,491, 8–15–67, Cl. 30—90.
Wilson, Glenn C. Carrying handles. 3,306,507, 2–28–67, Cl. 224—45.
Wilson, Glenn R., and E. A. McElhill. Polymeric depolarizers. 3,352,720, 11–14–67, Cl. 136—137.
Wilson, Harland D., to Ford Motor Co. Electrical storage battery. 3,309,232, 3–14–67, Cl. 136—134.
Wilson, Harland D., to Ford Motor Co. Method of binding battery elements to container. 3,350,238, 10–31–67, Cl. 136—176.
Wilson, Harold R.: *See*—
Frederickson, Roy W., and Wilson. 3,332,473.
Wilson, Henry A. Game package board and game pieces as core thereof. 3,319,961, 5–16–67, Cl. 273—136.
Wilson, Henry A. Pet pan. 3,358,647, 12–19–67, Cl. 119—1.

Wilson, Henry B., and A. W. Mickel, to Kaumagraph Co. Apparatus for composing music copy. 3,304,847, 2–21–67, Cl. 95—4.5.
Wilson, Henry B., and A. W. Mickel, to Kaumagraph Co. Apparatus for composing music copy. 3,311,036, 3–28–67, Cl. 95—4.5.
Wilson, Homer C. Aquaero boat glider. 3,352,275, 11–14–67, Cl. 114—235.
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Wilson, Hugh D., to Union Carbide Corp. Diving helmet with air regulating means. 3,308,814, 3–14–67, Cl. 128—142.
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Wilson, James A. Well tools. 3,318,607, 5–9–67, Cl. 277—203.
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Wilson, James D., to Banner Metals, Inc. Storage and display rack. 3,332,558, 7–25–67, Cl. 211—175.
Wilson, James D., to Banner Metals, Inc. Receptacle. 3,338,-468, S. 29–67, Cl. 220—97.
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Wilson, James D., to Banner Metals, Inc. Stackable-nestable container. 3,355,054, 11–28–67, Cl. 220—23.6.
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Wilson, James H.: *See*—
Priestley, Hill M., and Wilson. 3,317,430.
Tiskus, John R., and Wilson. 3,300,820.
Wilson, James H., to United States Steel Corp. Dual-control for controlling the liquid level in a continuous casting mold. 3,349,834, 10–31–67, Cl. 164—155.
Wilson, James R., Jr.: *See*—
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Wilson, James S., to American Chain & Cable Co., Inc. Differential pressure indicator and pneumatic control system incorporating the same. 3,319,924, 5–16–67, Cl. 251—26.
Wilson, James W.: *See*—
Huffstutler, Miles C., Jr., and Wilson. 3,340,683.
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Pachter, Irwin J., and Wilson. 3,313,852.
Wilson, Jean A., to The Singer Co. Anti-backlash gear apparatus. 3,347,110, 10–17–67, Cl. 74—397.
Wilson, Jerry D., to General Electric Co. Capacitor with a polycarbonate dielectric. 3,328,654, 6–27–67, Cl. 317—258.
Wilson, Joe C.: *See*—
Hicks, John R., and Wilson. 3,296,545.
Wilson, John, to General Electric Co. Reflector arc lamp with arc tube support comprising arc tube inlead connectors fastened to the outer end of ferrules sealed in the outer envelope. 3,341,731, 9–12–67, Cl. 313—113.
Wilson, John A.: *See*—
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Wilson, John A., Jr., E. J. Boyer, and C. M. Vander Pyl, to Wanskuck Co. Lightweight reinforced reel. 3,322,373, 5–30–67, Cl. 242—118.7.
Wilson, John A., Jr., and C. M. Vander Pyl, to Wanskuck Co. Head for a wire reel. 3,334,840, 8–8–67, Cl. 242—118.7.
Wilson, John B., to Reynolds Metals Co. Beverage dispenser with central charging gas connector and laterally spaced liquid filling opening. 3,322,304, 5–30–67, Cl. 222—52.
Wilson, John C., to The Thompson Grinder Co. Grinding machine. 3,305,974, 2–28–67, Cl. 51—5.
Wilson, John C., to Dresser Industries, Inc. Method and apparatus for acoustical logging wherein the amplitude and frequency of the impulse are determined. 3,308,426, 3–7–67, Cl. 340—18.
Wilson, John C., to Dresser Industries, Inc. Method and apparatus for acoustic cement bond logging. 3,358,788, 12–19–67, Cl. 181—.5.
Wilson, John E., to American Metal Climax, Inc. Bainitic iron alloys. 3,303,061, 2–7–67, Cl. 148—12.3.
Wilson, John F., and W. E. Littleton, to Allis-Chalmers Mfg. Co. Water immiscible liquid condenser in multistage flash distillation. 3,312,601, 4–4–67, Cl. 203—11.
Wilson, John F., and H. W. Yant, to Allis-Chalmers Mfg. Co. Apparatus for liquid-to-liquid heat exchange. 3,319,400, 5–16–67, Cl. 55—255.
Wilson, John H. Pipe handling device. 3,312,294, 4–4–67, Cl. 173—164
Wilson, John H. Drill stem and pipe positioner device. 3,315,822, 4–25–67, Cl. 214—2.5.
Wilson, John H. Pipe tongs. 3,316,783, 5–2–67, Cl. 81—54.
Wilson, John H. Pipe rotating device with gear shift arrangement. 3,330,164, 7–11–67, Cl. 74—333.
Wilson, John H. Semi-automated drilling rig. 3,340,938, 9–12–67, Cl. 173—28.
Wilson, John H. and L. P., and F. M. Pool. Rod and pipe elevator shifting mechanism for well servicing rigs and the like. 3,308,970, 3–14–67, Cl. 214—2.5.
Wilson, John H. and L. P., and F. M. Pool. Double hook arrangement for use with hoisting equipment. 3,340,580, 9–12–67, Cl. 24—241.
Wilson, John J., to Dow Corning Corp. Stable silicone rubber interlayers for glass. 3,312,587, 4–4–67, Cl. 161—193.
Wilson, John S., to The Dow Chemical Co. Presplitting device. 3,349,705, 10–31–67, Cl. 102—24.
Wilson, John W., to Superflexit Ltd. Tool for use in assembling conduits and end fittings. 3,344,500, 10–3–67, Cl. 29—235.
Wilson, Kenneth C., to United States of America, Navy. Lightweight isentropic spike nozzle. 3,332,243, 7–25–67, Cl. 60—271.
Wilson, Kenneth T. Leakproof motion transmitter. 3,311,-354, 3–28–67, Cl. 259—122.
Wilson, Lawrence A., to Gulf Research & Development Co. In situ combustion process. 3,332,488, 7–25–67, Cl. 166—11.
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Wilson, John H. and L. P., and Pool. 3,340,580.
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Wilson, Lester E., to High Voltage Engineering Corp. High-voltage acceleration tube with inserts for the electrodes. 3,328,618, 6–27–67, Cl. 313—63.
Wilson, Loren R., to The Magnavox Co. Method and apparatus for forming data processing cards. 3,337,719, 8–22–67, Cl. 235—61.12.
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Wilson, Martin, to United States Borax & Chemical Corp. Flotation method for potash ores. 3,341,135, 9–12–67, Cl. 241—20.
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Wilson, Porter C. Adjustable belt. 3,355,744, 12–5–67, Cl. 2—338.
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Wilson, Robert C., Jr., to Mobil Oil Corp. Method for producing crystalline aluminosilicate zeolitic particles of uniform size. 3,313,594, 4–11–67, Cl. 23—113.
Wilson, Robert E., to United States of America, Navy. Explosive bridgewire initiators. 3,351,012, 11–7–67, Cl. 102—28.

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Wilson, Robert G. Oven supports. 3,333,529, 8–1–67, Cl. 99—339.
Wilson, Robert G. Display cooking apparatus. 3,339,477, 9–5–67, Cl. 99—341.
Wilson, Robert G. Combination oven. 3,355,573, 11–28–67, Cl. 219—396.
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Wilson, William B., to National Lock Co. Heavy duty door lock set. 3,354,676, 11–28–67, Cl. 70—146.
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Winegard, Howard J., to Union Camp Corp. Sewn valve bag with flexible elastic insert. 3,358,907, 12–19–67, Cl. 229—62.5.

Winegard, John R., to The Winegard Co. Collapsible parabolic antenna. 3,329,960, 7–4–67, Cl. 343—819.

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Winfield, Howard E., Jr., to General Motors Corp. Ice maker with door mounted bin. 3,308,632, 3–14–67, Cl. 62—137.

Winfield, Raymond, and D. J. Pizzicara, to United States of America, Navy. Automatic target sequencing tracking console. 3,307,181, 2–28–67, Cl. 343—11.

Winfrey, Richard C., and C. C. Bell, to Hughes Aircraft Co. Paddle damping mechanism. 3,336,812, 8–22–67, Cl. 74—5.5.

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Wingate, Sidney A., to Wayne-George Corp. Analog to digital optical encoder. 3,310,798, 3–21–67, Cl. 340—347.

Wingate, Sidney A., to Wayne-George Corp. Analog to digital encoding apparatus for directly reading out information. 3,312,828, 4–4–67, Cl. 250—231.

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Wingerd, Winston H., to The Borden Co. Lactalbumin phosphate lipid complex. 3,356,507, 12–5–67, Cl. 99—139.

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Wininger, Roy D., and G. E. Wilcox, to Dolly Madison Industries, Inc. Method of making a sawdust-containing conditioner. 3,356,481, 12–5–67, Cl. 71—9.
Winkelhaus-Elsing, Josef. Refrigerator, particularly for bakery goods. 3,301,004, 1–31–67, Cl. 62—408.
Winkelmann, Erhardt, and W.-H. Wagner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. 2,5-di-carbalkoxy-amino 3,6-diamino-1,4-benzoquinones. 3,336,344, 8–15–67, Cl. 260—396.
Winker, James A., to Raven Industries, Inc. Positive destruction device for balloon. 3,302,906, 2–7–67, Cl. 244—32.
Winker, James A., G. P. Hanson, and R. A. Pohl, to Raven Industries, Inc. Parachute. 3,331,573, 7–18–67, Cl. 244—145.
Winkler, Albert H., to The Bendix Corp. Enrichment device for air valve carburetor. 3,307,837, 3–7–67, Cl. 261—44.
Winkler, Albert H., W. B. Baldwin, and D. F. Morgan, to The Bendix Corp. Carburetor choking device. 3,328,011, 6–27–67, Cl. 261—39.
Winkler, Alfred, to Cwielong and Winkler Ingenierburo. Separator. 3,321,002, 5–23–67, Cl. 159—3.
Winkler, Alfred, D. Maas, D. Engelsmann, and H. Hackenberg, to AGFA Aktiengesellschaft. Locking arrangement. 3,301,584, 1–31–67, Cl. 292—228.
Winkler, Alfred, D. Engelsmann, and S. Zobel, to Agfa Aktiengesellschaft. Pressure plate assembly for cameras. 3,311,-037, 3–28–67, Cl. 95—11.
Winkler, Alfred, D. Engelsmann, F. Landbrecht, and O. Renner, to Agfa Aktiengesellschaft. Accessory clip for photographic cameras. 3,348,461, 10–24–67, Cl. 95—11.5.
Winkler, Alfred, D. Engelsmann, F. Landbrecht, and K. Bammesberger, to AGFA Aktiengesellschaft. Housing for photographic cameras. 3,354,803, 11–28–67, Cl. 95—11.
Winkler, Alfred, and K. Bammesberger, to Agfa-Gevaert Aktiengesellschaft. Receptacle for roll film. 3,356,311, 12–5–67, Cl. 242—71.1.
Winkler, Carl J., Sr. Orthodontia appliance and method of making same. 3,303,566, 2–14–67, Cl. 32—14.
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Winkler, James V., to The Dow Chemical Co. Snow shovel. 3,328,067, 6–27–67, Cl. 294—54.
Winkler, Joseph, to General Foam Corporation. Gelled fuel and process. 3,355,269, 11–28–67, Cl. 44—7.
Winkler, Joseph, and E. A. Bratoeff, to Aerojet-General Corp. Hydroxy terminated polyesters. 3,296,211, 1–3–67, Cl. 260—75.
Winkler, Joseph, and G. V. Melnikov, to Aerojet-General Corp. Detection of hydrogen leaks with tritium. 3,340,398, 9–5–67, Cl. 250—83.
Winkler, Joseph J., to Zurn Industries, Inc. Coupling with hydraulically actuated thrust button. 3,298,198, 1–17–67, Cl. 64—9.
Winkler, Joseph J., to Zurn Industries Inc. Extendible coupling. 3,303,668, 2–14–67, Cl. 64—9.
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Winograd, Harold, to Allis-Chalmers Mfg. Co. Controlled rectifier control means. 3,330,998, 7–11–67, Cl. 317—149.
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Winsche, Warren E., and M. M. Levine, to United States of America, Atomic Energy Commission. Method of operating a breeder reactor. 3,335,061, 8–8–67, Cl. 176—17.
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Winsel, August, ½ to Siemens-Schuckertwerke Aktiengesellschaft, and ½ to Varta Aktiengesellschaft. Method and apparatus for periodically removing inert gas accumulations from electro-chemical cells. 3,317,348, 5–2–67, Cl. 136—86.
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Winslow, Charles A. Takedown light weight anchor. 3,332,387, 7–25–67, Cl. 114—208.
Winslow, Charles A. Marine safety systems. 3,340,842, 9–12–67, Cl. 114—68.
Winslow, John S., to Electro-Optical Systems, Inc. Ferroelectric image intensifier including inverse feedback means. 3,300,645, 1–24–67, Cl. 250—213.
Winslow, Lester M., to Hughes Aircraft Co. Traveling-wave tube with oscillation preventing and gain shaping means including an elongated lossy ceramic element. 3,324,338, 6–6–67, Cl. 315—3.5.

Winslow, Lester M., and D. J. Bates, to Hughes Aircraft Co. Periodic permanent magnet electron beam focusing arrangement for traveling-wave tubes having plural interaction cavities in bore of each annular magnet. 3,324,339, 6–6–67, Cl. 315—3.5.
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Winter, Ernest A., to Tennessee Corp. Process for the production of electrolytic zinc powder. 3,326,783, 6–20–67, Cl. 204—10.
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Winter, Paul H., to Pass & Seymour, Inc. Mounting for semiconductors. 3,327,180, 6–20–67, Cl. 317—234.
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Wolters, Gerard C., to General Electric Co. Rapid transition squelch circuit. 3,314,010, 4–11–67, Cl. 325—348.

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Wommelsdorf, Fritz, and W. Schmidt, to Maschinenfabrik Rissen G.m.b.H. Paper cup. 3,357,623, 12–12–67, Cl. 229—1.5.

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Wong, Edward L., to King-O-Matic Equipment Corp. Carton closing machine and method. 3,332,199, 7–25–67, Cl. 53—35.

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Wood, Derek, to Bell Aerospace Corp. Redundant control system. 3,338,139, 8–29–67, Cl. 91—411.

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Wood, Fenton M., to American Machine & Foundry Co. Apparatus and method for magnetically detecting defects in ferromagnetic members by measuring changes in reluctance paths caused thereby. 3,356,938, 12–5–67, Cl. 324—37.
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Wooden, Andrew C. Device for indicating loss of air pressure in a tire. 3,333,242, 7–25–67, Cl. 340—58.
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Woodling, George V. Dispensing means for a box. 3,335,933, 8–15–67, Cl. 229—17.
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Woodman, Charles K., to Compo Shoe Machinery Corp. Method of mulling and heat-setting in shoe manufacture. 3,349,-417, 10–31–67, Cl. 12—142.
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Wooldridge, Robert S., Jr., to Sperry Rand Corp. Reel motor speed regulator. 3,360,706, 12–26–67, Cl. 318—305.
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Word, William W., Jr., to Armco Steel Corp. Wellhead constructions. 3,336,976, 8–22–67, Cl. 166—.6.

Word, William W., Jr., to Armco Steel Corp. Underwater well completion. 3,347,311, 10–17–67, Cl. 166—.6.

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Andre, Dan M. Combined lamp and mirror. 209,077, 10–31–67, Cl. D48—20.
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Andre, Dan M. Fluorescent lamp. 209,079, 10–31–67, Cl. D48—20.
Andrew, Homer L., to Duplex Mfg. Co. Pitless well unit housing for use with submersible pumps. 207,610, 5–9–67, Cl. D65—1.
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Appel, Mel, and M. Schnur, to Elpo Industries Inc. Bread box. 209,224, 11–14–67, Cl. D44—6.
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Baker, Jack F., to Lever Bros. Co. Dentifrice dispenser. 206,994 2–21–67, Cl. D4—3.

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Barg, Herbert, to True Form Foundations, Inc. Panty girdle. 208,188, 8–1–67, Cl. D2—4.

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Bartleson, Kenneth R. Motor driven dispenser for paper toweling or the like. 207,020, 2–21–67, Cl. D52—2.

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Braiman, Jerry, and E. W. Shieh, to P. R. Mallory & Co., Inc. Housing for a capacitor device. 209,054, 10–31–67, Cl. D26—1.
Brand, Robert J., to Apsco Products, Inc. Desk model pencil sharpener. 206,777, 1–24–67, Cl. D74—21.
Brandenberg, Karl A., to The Aro Corp. Pressure indicator. 207,971, 6–20–67, Cl. D52—6.
Brandon, Richard N. Household wrap dispensing container. 208,102. 7–18–67, Cl. D52—2.
Branson Instruments, Inc.: *See*—
Yurdin, Carl R. 207,122.
Bratton, Oran D., to Mid-America Fabrication Co. Cart for carrying refuse receptacles. 208,854, 10–10–67, Cl. D14—3.
Braun Aktiengesellschaft: *See*—
Weiss, Reinhold. 207,859.
Weiss, Reinhold. 209,652.
Braun, Emil J., to Valv-O-Matic, Inc. Coin operated locking rack for skis. 206,920, 2–7–67, Cl. D80—10.
Braun, Samuel, to B. C. N. Design Products, Inc. Display container. 207,353, 4–4–67, Cl. D58—12.
Braun, Samuel, to B.C.N. Design Products, Inc. Box. 207,559, 5–2–67, Cl. D58—12.6.
Braun, Samuel, to B.C.N. Design Products, Inc. Display box. 207,560, 5–2–67, Cl. D58—12.7.
Braun, Samuel, to B. C. N. Design Products, Inc. Display box. 207,806, 5–30–67, Cl. D58—12.6.
Braun, Samuel, to B. C. N. Design Products, Inc. Shoe shine box. 208,050, 7–11–67, Cl. D9—2.
Braun, Samuel, to The International Silver Co. Chest for silverware or the like. 208,506, 9–5–67, Cl. D58—12.6.
Braun, Samuel, to B.C.N. Design Products, Inc. Display box. 208,828, 10–3–67, Cl. D58—12.
Braun, Samuel. Display box. 208,832, 10–3–67, Cl. D58—12.6.
Braun, Samuel, to B.C.N. Design Products, Inc. Display box. 209,477, 12–5–67, Cl. D58—12.7.
Braun, Samuel, to B.C.N. Design Products, Inc. Display box. 209,478, 12–5–67, Cl. D58—12.7.
Bravo, Joel W., and P. Matwey, to General Aniline & Film Corp. Support stand for an office machine. 209,680, 12–26–67, Cl. D33—3.
Bray, Ross N. Article storage unit. 207,902, 6–13–67, Cl. D14—6.
Brearley Co., The: *See*—
Aleks, Vytant, and Brearley. 208,763.
Aleks, Vytant, and Brearley. 209,039.
Aleks, Vytant, and Brearley. 209,040.
Brearley, John C.: *See*—
Aleks, Vytant, and Brearley. 208,763.
Aleks, Vytant, and Brearley. 209,039.
Aleks, Vytant, and Brearley. 209,040.
Brefka, Paul E., to LDA, Inc. Condiment dispenser. 207,175, 3–14–67, Cl. D44—6.
Bremshey & Co.: *See*—
Bremshey, Fritz, and Fülling. 207,767.
Bremshey, Fritz, and W. Fülling, to Bremshey & Co. Power-operated carving knife. 207,767, 5–23–67, Cl. D95—3.
Brenner, Robert R. Exerciser. 208,924, 10–17–67, Cl. D34—5.
Brenner, Roy L., to Kinkead Industries Inc. Carpet stretcher. 206,615, 1–3–67, Cl. D54—13.
Bressickello, Tony J. Combined food warmer and display device. 209,257, 11–14–67, Cl. D81—10.
Brickman, Harold, and R. Deschamps. An illuminable vanity case or similar article. 209,120, 10–31–67, Cl. D87—5.
Bridges, Harry, to Needle Industries Ltd. Seam ripper or the like. 207,832, 5–30–67, Cl. D95—1.
Briggin, Edward: *See*—
Katzman, Lawrence, Briggin, D'Elia, and Stolarz. 209,364.
Briggs, Southwick W., and W. A. Brazerol. Filter paper. 207,487, 4–25–67, Cl. D16—1.
Brigham, Owsley H. Underwater diving light. 209,162, 11–7–67, Cl. D48—24.
Brilando, Frank P., S. R. Jameson, and R. G. Blaho, to Arnold, Schwinn & Co. Twin control lever assembly for bicycles. 208,128, 7–18–67, Cl. D90—11.
Briles, Franklin S. Toilet paper dispenser. 208,143, 7–25–67, Cl. D4—3.
Brindle, John H.: *See*—
Eastwood, Fred, Brindle, and Gardner. 209,468.
British Industries Corp.: *See*—
Levin, Monte. 209,711.
British Oxygen Co. Ltd., The: *See*—
Foxwell, Jack S. 206,834.
Britt, James E., G. D. Del Vecchio, and M. C. Stessel, to Xerox Corp. Cabinet for sorting and holding sheets of printed material. 209,408, 11–28–67, Cl. D33—19.
Britt, James E., G. D. Del Vecchio, and M. C. Stessel, to Xerox Corp. Modular cabinet for sorting and holding sheets of printed material. 209,409, 11–28–67, Cl. D33—19.
Broad, Reginald J. Car door handle. 209,041, 10–31–67, Cl. D10—8.
Brock, Victor. Tie down fitting. 209,172, 11–7–67, Cl. D54—11.
Brockway, Brock F., to E. D. Bullard Co. Box. 209,629, 12–19–67, Cl. D58—12.6.
Broder, Leonard J. Food service plate. 208,317—8–15–67, Cl. D44—10.
Broderick, Virginia, to Consoweld Corp. Plastic sheet material or the like. 207,762, 5–23–67, Cl. D87—3.
Broderick, Virginia, to Consoweld Corp. Plastic sheet material or the like. 207,763, 5–23–67, Cl. D87—3.
Brodin, Bengt O. I., to Joh. Mustad AB. Musical instrument. 206,683, 1–10–67, Cl. D56—2.
Brodin, Bengt O. I., to Joh. Mustad, A/B. Musical instrument. 208,727, 9–26–67, Cl. D56—9.
Brodsky, David L.: *See*—
Wood, Donald H., Brodsky, James, and Roth. 208,308.
Brookes, Ronald E., to L. G. Harris Co., Ltd. Brush. 209,130, 11–7–67, Cl. D9—2.
Brooks, Albert E., Jr., to Electric Lighting, Inc. Outdoor lighting fixture. 208,491, 9–5–67, Cl. D48—31.
Brooks, Bert, to H. J. Ashe. Rechargeable flashlight. 208,368, 8–22–67, Cl. D48—24.
Brooks, William H. Cigar case. 208,343, 8–15–67, Cl. D85—2.
Brookshire, Phillip L., to The Witt Co. Waste receptacle. 208,589, 9–12–67, Cl. D58—17.
Brophy, Stella M. Thimble. 208,047, 7–11–67, Cl. D3—19.
Brosig, Heinz, to National Aeronautics and Space Administration under the provisions of 42 U.S.C. 2457(d). Trailer. 208,768, 10–3–67, Cl. D14—3.
Bross, Helmut. Housing for writing instrument. 208,960, 10–17–67, Cl. D74—17.
Bross, Helmut. Housing for writing instrument. 208,961, 10–17–67, Cl. D74—17.
Brosseau, Pierre, Jr., and R. E. Kennedy, to Anelex Corp. Printer console. 208,279, 8–8–67, Cl. D64—11.
Brounn, Morris J., and A. T. C. Peters, to Otis Elevator Co. Light diffusing grille. 207,455, 4–18–67, Cl. D48—16.
Browder, Jack E. Combined coin holder and dispenser. 207,021, 2–21–67, Cl. D52—4.
Brown, Charles I. Hamburger press. 206,606, 1–3–67, Cl. D44—1.
Brown, Charles I. Jar wrench. 208,321, 8–15–67, Cl. D44—29.
Brown, Charles I. Jar wrench. 208,322, 8–15–67, Cl. D44—29.
Brown, Donald D. Combination shampoo dispenser and massage brush. 207,774, 5–30–67, Cl. D9—2.
Brown, Dwight L. House. 209,662, 12–26–67, Cl. D13—1.
Brown, Hugh O., to Beckman Instruments, Inc. Turns counter. 206,768, 1–24–67, Cl. D52—6.
Brown, Julian A.: *See*—
Joelson, Eric H., and Brown. 208,540.
Brown, Roy C., to Artistic Wire Products Co., Inc. Display stand. 206,736, 1–17–67, Cl. D80—10.
Brown, Roy C., to Artistic Wire Products Co., Inc. Display stand. 206,737, 1–17–67, Cl. D80—10.

Brown, Roy C., to Artistic Wire Products Co., Inc. Clip for a display stand for sunglasses or the like. 207,933, 6–13–67, Cl. D80—10.

Brown, Verle H., to E. Sam Dick Co., Inc. Pressure storage tank. 209,266, 11–14–67, Cl. D91—1.

Bruce, Geoffrey H. Housing for television receiver. 208,710, 12–26–67, Cl. D56—4.

Bruce Molded Plastic Products, Inc.: *See*—
Marks, Lou F. 209,726.

Bruder, Robert I., to Litton Precision Products, Inc. Microwave oven. 207,286, 3–28–67, Cl. D81—26.

Brunderman, Vincent G. Combined nut picker and shell cracker. 208,871, 10–10–67, Cl. D44—1.

Bruno, Edward C. Display pedestal for fruit or the like. 206,919, 2–7–67, Cl. D80—9.

Bruno, Enrico, to Maidenform Inc. Brassiere. 207,624, 5–16–67, Cl. D2—24.

Bruns, Herbert F. Electric air director. 207,361, 4–4–67, Cl. D62—4.

Brunswick Corp.: *See*—
Hart, George H., and Arnold. 209,522.
Wilkens, Howard J. 208,985.

Buchner, Frank T., to Products Marketing Corp. Combined compact and holder for lipstick or the like. 209,182, 11–7–67, Cl. D86—10.

Buckler, George M., to General Electric Co. Portable stereo phonograph. 206,906, 2–7–67, Cl. D56—4.

Buckler, George M., to General Electric Co. Portable phonograph or similar article. 206,907, 2–7–67, Cl. D56—4.

Buckler, George M., to General Electric Co. Combined cover and speaker enclosure for portable phonographs. 209,334, 11–21–67, Cl. D56—4.

Bucknell, Ernest H., J. K. Rauh, and I. A. Ward. Spray valve. 207,440, 4–11–67, Cl. D91—3.

Buckner Industries, Inc.: *See*—
Royer, John A. 207,848.

Buday, Eugene, to Wyott Corp. Grill. 207,893, 6–6–67, Cl. D81—10.

Budd Co., The: *See*—
Gardner, James A., and Westcott. 207,889.

Buegeleisen, Joseph, Co.: *See*—
Zbikowski, Ted, and Marchello. 206,644.

Buehner Research and Development: *See*—
Johnson, Donald D. 209,034.

Buffington, Larry J. Combined lamp and clock or similar article. 208,809, 10–3–67, Cl. D48—20.

Bugni, Donald S.: *See*—
Paape, Kenneth L., and Bugni. 209,514.

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Wah, Joe M., and Johnson. 209,576.

Bulbarelli, Franco, and O. Mastrorilli. Hair straightening clamp. 207,146, 3–7–67, Cl. D86—10.

Bulin, Shelly A., to J. I. Case Co. Self-propelled combine. 207,107, 3–7–67, Cl. D40—1.

Bull-General Electric Societe Industrielle (Societe Anonyme): *See*—
Sottsass, Ettore, Jr. 208,915.
Sottsass, Ettore, Jr. 208,916.
Sottsass, Ettore, Jr. 209,449.
Sottsass, Ettore, Jr. 209,450.

Bullard, E. D. Co.: *See*—
Brockway, Brock F. 209,629.

Bullard, Willie R. Lockable cover for a bottled gas regulator. 208,016, 6–27–67, Cl. D91—1.

Bulman, E. O., Mfg. Co., Inc., The: *See*—
Waltz, Edward. 208,512.
Waltz, Edward. 208,597.

Bulova Watch Co., Inc.: *See*—
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Bundy, William C. Flexible container for pills or the like. 208,273, 8–8–67, Cl. D58—12.

Bunn-O-Matic Corp.: *See*—
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Martin, John C. 209,126.
Martin, John C. 209,127.

Burchett, Vernon L. Display stand. 206,921, 2–7–67, Cl. D80—10.

Burge, Roger M.: *See*—
Scharschmidt, Rudolph K., and Burge. 207,699.

Burgess-Day, Inc.: *See*—
Benjamin, E. Burton. 206,998.

Burian, Paul D., and R. D. Dent, to McKinnon Columbus Corp. Hoist. 208,200, 8–1–67, Cl. D41—1.

Burkhardt, Norman, to Jarco Metal Products Corp. Key holder. 208,720, 9–26–67, Cl. D50—4.

Burkhardt, Norman, to Jarco Metal Products Corp. Combined cosmetic and flashlight holder. 208,842, 10–3–67, Cl. D86—10.

Burkland, Carl. Golf putter. 207,538, 5–2–67, Cl. D34—5.

Burkland, Carl. Golf putter. 207,539, 5–2–67, Cl. D34—5.

Burlingame, Bernard. Antenna for indoor radio or television set. 209,402, 11–28–67, Cl. D26—14.

Burnbaum, Jack. Hanger for a Christmas tree ornament or similar article. 206,659, 1–10–67, Cl. D17—12.

Burnbaum, Jack. Hanger for Christmas tree ornaments or similar article. 206,660, 1–10–67, Cl. D17—12.

Burnbaum, Jack. Hanger for a Christmas tree ornament or similar article. 206,661, 1–10–67, Cl. D17—12.

Burnbaum, Jack. Decorative chain for a Christmas tree. 207,319, 4–4–67, Cl. D29—1.

Burnbaum, Jack. Garland for a Christmas tree. 209,517, 12–12–67, Cl. D29—1.

Burns, Dorcey A., Jr., and J D. Durham; said Durham assor. to said Burns. Coin operated amusement machine. 208,197, 8–1–67, Cl. D34—5.

Burnsworth, Richard E., J. W. Kirkpatrick, and W. J. Schade. Carton for comestibles. 207,244, 3–21–67, Cl. D58—11.

Burnsworth, Richard E., J. W. Kirkpatrick, and W. J. Schade, to SBK Inc. Egg carton. 209,628, 12–19–67, Cl. D58—11.

Burrough, Donald E.: *See*—
Conner, James M., Burrough, Fairbank, Soteropulos, and Dreyfuss. 208,486.

Burrough, Donald E., and T. M. Barnes, to Deere & Co. Combined mower, conditioner, and windrower. 208,156, 7–25–67, Cl. D40—1.

Burroughs Corp.: *See*—
Hopkins, Kenneth A., and Waechter. 209,509.
Macker, John A., and Bewley. 209,508.
Rayfield, Harry F., and Kjos. 207,058.

Burrows, Milford D., P. H. Morganson, and P. J. Quedens, to The Stanley Works. Router. 207,384, 4–4–67, Cl. D93—2.

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Busch, Albert G. Electrical accessory plug for automobile cigar lighters or the like. 209,284, 11–21–67, Cl. D26—1.

Busch, Edwin. Self-contained film projection cabinet. 209,636, 12–19–67, Cl. D61—1.

Busch, Robert F.: *See*—
Blankenship, Arthur C., Busch, and Shesterkin. 207,574.

Butler Industries, Inc.: *See*—
Goldstein, Arthur, and Sobel. 207,041.

Butler Mfg. Co.: *See*—
Anderson, Arthur I., and Solimar. 209,111.

Buzard, George. Combined toothbrush and dentifrice tube holder. 206,858, 2–7–67, Cl. D4—3.

CAH Industries, Inc.: *See*—
Hamilton, Charles A. 208,507.

Cabell, Douglas N., to Ronson Corp. Combined food mixer and can opener or the like. 206,944, 2–14–67, Cl. D44—1.

Cadaret, Robert A.: *See*—
Saunders, Seymour G., Jr., and Cadaret. 209,673.

Calafano, Ernest: *See*—
Schwartz, Harvey A., Jacoby, and Calafano. 209,052.

Caldemeyer, Daniel F. and Lloyd O. Rocking lounge chair. 207,310, 4–4–67, Cl. D15—6.

Caldemeyer, Daniel F. and Lloyd O. Rocking lounge chair. 207,311, 4–4–67, Cl. D15—6.

Caldemeyer, Daniel F. and Lloyd O. Rocking lounge chair. 207,312, 4–4–67, Cl. D15—6.

Caldemeyer, Daniel F. and Lloyd O. Rocking lounge chair. 207,313, 4–4–67, Cl. D15—6.

Caldemeyer, Daniel F. and Lloyd O. Rocking lounge chair. 207,314, 4–4–67, Cl. D15—6.

Caldemeyer, Lloyd O.: *See*—
Caldemeyer, Daniel F. and Lloyd O. 207,310.
Caldemeyer, Daniel F. and Lloyd O. 207,311.
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Caldwell, Bobbie G.: *See*—
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Caldwell, Kenneth W. Combined votive altar and coin depository. 209,519, 12–12–67, Cl. D29—23.

Caldwell, Kenneth W. Votive altar for a vehicle or the like. 209,520, 12–12–67, Cl. D29—23.

Calgon Corp.: *See*—
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Calhoun, James R. Badge or similar emblematic article. 209,675, 12–26–67, Cl. D29—11.

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Clark, Robert A. 207,918.
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Cammilleri, Angelo M. Multi-purpose level. 208,723, 9–26–67, Cl. D52—6.

Camp, Arthur J., to Joel Patrick, Inc. Detachable station wagon top. 208,092, 7–18–67, Cl. D14—3.

Camp, William W., and R. B. Davis, to Heinemann Electric Co. Circuit breaker cap. 207,846, 6–6–67, Cl. D26—13.

Campbell, Dudley H., to Stackpole Carbon Co. Combined electrical switch and terminal socket. 208,982, 10–24–67, Cl. D26—13.

Campbell, Francis W., to General Electric Co. Console phonograph or similar article. 206,908, 2–7–67, Cl. D56—4.

Campbell, John B., to The Clorox Co. Jug. 208,215, 8–1–67, Cl. D58—5.

Campbell, Laurie J., to Louis Marx & Co., Inc. Helmet. 206,568, 1–3–67, Cl. D3—13.

Campbell, Laurie J., to Louis Marx & Co., Inc. Film projector toy. 208,558, 9–12–67, Cl. D34—15.

Campbell, Laurie J., to Louis Marx & Co., Inc. Musical toy typewriter. 208,925, 10–17–67, Cl. D34—15.

Campbell, Sherman B., C. F. Stephenson, and R. Spilman, to American Sterilizer Co. Instrument panel for a sterilizer. 209,560, 12–12–67, Cl. D83—1.

Campi, Antonia, to Societa Ceramica Italiana Richard-Ginori Societa. Bathroom ceramic wash basin or similar article. 208,762, 10–3–67, Cl. D4—2.

Campos, Adolf J. Motor vehicle. 209,505, 12–12–67, Cl. D14—3.
Canion, Claude. Fish holding fork. 208,034, 7–4–67, Cl. D44—29.
Cannon, John P., to Plattner Industries, Inc. Flashlight. 209,163, 11–7–67, Cl. D48—24.
Cannon Rubber Manufacturers Ltd., The : *See*—
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Boldt, Melvin H. 206,939.
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Carinthia Elektrogerate Gesellschaft m.b.H. : *See*—
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Cooke, George H., and Carl. 207,472.
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Carlson, Arthur W., to E. H. Sheldon & Co. Electronic laboratory work center. 207,005, 2–21–67, Cl. D16—2.
Carlson, Ernest R., to Harvey Hubbell, Inc. Light dimmer control unit. 209,141, 11–7–67, Cl. D26—13.
Carlson, Ernest R., to Harvey Hubbell, Inc. Cover for an electrical wiring device. 209,142, 11–7–67, Cl. D26—13.
Carlson, Torsten S., and J. W. Linehan, Jr., to Enthalpy Products Corp. Cooling tower, or similar article. 207,752, 5–23–67, Cl. D62—4.
Carlton, William C. Book rest. 206,593, 1–3–67, Cl. D33—3.
Carlton, William C. Book rest. 206,594, 1–3–67, Cl. D33—3.
Carlton, William C. Shuttlecock container. 208,115, 7–18–67, Cl. D58—17.
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Caron, Fred J., and O. G. Barnum, to Pactor Corp. Vehicular wheel for compacting sanitary fill. 208,996, 10–24–67, Cl. D39—1.
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Carr, Harold L., deceased (by M. F. Carr, administratrix). Hearth scuttle. 209,360, 11–21–67, Cl. D81—3.
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Carsello, Anthony J., to Ajax Hardware Mfg. Corp. Knob. 207,481, 4–25–67, Cl. D10—8.
Carsello, Anthony J. Knob. 207,482, 4–25–67, Cl. D10—8.
Carsello, Anthony J., to Space Planner Co., Inc. Free standing fireplace. 207,566, 5–2–67, Cl. D81—7.
Carsello, Anthony J., to Ajax Hardware Mfg. Corp. Cabinet hinge. 207,702, 5–23–67, Cl. D10—9.
Carsello, Anthony J., to Ajax Hardware Mfg. Corp. Drawer pull. 209,277, 11–21–67, Cl. D10—8.
Carter, George D. Skate. 206,941, 2–14–67, Cl. D34—14.
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Carveth, Peter C., to The International Silver Co. Sponge applicator top for a squeeze bottle. 208,174, 7–25–67, Cl. D58—26.
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Castello, Anthony M., R. R. Cooper, and C. N. Fellnagel, to The Coleman Co., Inc. Wall heater. 207,140, 3–7–67, Cl. D81—10.
Castloo, Thomas F. Article holder for motor vehicles. 208,217, 8–1–67, Cl. D58—13.
Cecil, Harry H. Wheel hub for racing vehicle. 207,053, 2–28–67, Cl. D14—30.
Cefaly, Ralph. Dual stethoscope head. 208,125, 7–18–67, Cl. D83—12.
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Chan, Pui. Toy submarine. 209,066, 10–31–67, Cl. D34—15.
Chandler, Wesley M., P. F. Heuser, and B. T. Juba, to Wilbert W. Haase Co. Burial vault. 208,909, 10–17–67, Cl. D19—1.
Chapin, Roger F., Jr., to Westinghouse Electric Corp. Combined water cooler and cabinet. 208,738, 9–26–67, Cl. D67—4.
Charbonneau, George M., and F. J. Chiapetta, to Corning Glass Works. Outdoor broiler grill or the like. 208,962, 10–17–67, Cl. D81—10.
Charles, Fred J. Take-out snack bar. 209,278, 11–21–67, Cl. D13—1.
Charles, Geoffrey R. S., to Chelton (Electrostatics) Ltd. Dispenser top for a pressurized container. 209,427, 11–28–67, Cl. D58—26.
Charles, Geoffrey R. S., to Chelton (Electrostatics) Ltd. Dispenser top for a pressurized can. 209,428, 11–28–67, Cl. D58—26.
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Dupree, Ernest L., to Schenley Industries, Inc. Decanter. 208,734, 9–26–67, Cl. D58—6.
Dupree, Ernest L., and B. S. Sheesley, to Schenley Industries, Inc. Decanter. 209,100, 10–31–67, Cl. D58—6.
Durfee, Sidney A., B. L. Culwell, and R. C. Barnes, to American Desk Mfg. Co. Combination chair-desk. 206,721, 1–17–67, Cl. D33—11.
Durfee, Sidney A., B. L. Culwell, and R. C. Barnes, to American Desk Mfg. Co. Chair with attached writing surface panel. 207,587, 5–9–67, Cl. D33—11.
Durfee, Sidney A., B. L. Culwell, and R. C. Barnes, to American Desk Mfg. Co. Book box desk. 208,055, 7–11–67, Cl. D33—11.
Durham, J Donald: *See*—
Burns, Dorcey A., Jr., and Durham. 208,197.
Durik, Halman J., deceased (by R. M. Meister, executrix), to Westinghouse Electric Corp. Hand-held steaming and pressing unit for wearing apparel, draperies and the like. 209,697, 12–26–67, Cl. D49—1.
Durko, Leopold, to Comfort Lines, Inc. Bar stool. 206,713, 1–17–67, Cl. D15—8.
Durr, Betty J. Decorative heating pad. 207,521, 4–25–67, Cl. D83—1.
Duvall, Harold A., and C. G. Esler, to Square D Co. Raintight fitting for outdoor enclosure of electrical device. 209,146, 11–7–67, Cl. D26—13.
Dvore, Christian. Animal bed. 208,920, 10–17–67, Cl. D30—41.
Dwyer, Betty M.: *See*—
Dwyer, Harry D. 208,227.
Dwyer, Harry D., deceased, by B. M. Dwyer, administratrix. Control unit for a burglar alarm system. 208,227, 8–1–67, Cl. D72—1.
Dykes, Downer P., to Rival Mfg. Co. Base for blender or the like. 207,692, 5–16–67, Cl. D89—1.
Dykes, Ralph E., and R. M. Mitchell. Assembled package of containers. 209,336, 11–21–67, Cl. D58—2.
Dykes, Ralph E., and R. M. Mitchell. Assembled package of containers. 209,337, 11–21–67, Cl. D58—2.
Dykmans, John A., and J. Connor, to Calma Co. Graphical data digitizer. 208,980, 10–24–67, Cl. D26—5.
Dykzeul, Theodore J., to Robertshaw Controls Co. Thermostat tube. 207,342, 4–4–67, Cl. D52—7.
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Dynamic Systems, Inc.: *See*—
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Eastwood, Fred, J. H. Brindle, and J. Gardner. Hot top casing. 209,468, 12–5–67, Cl. D54—8.
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Ebner, Emanuel C. Plaque for support of a work of art. 208,556, 9–12–67, Cl. D29—23.

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Eckert, George E., to Thomas Industries Inc. Light fixture. 208,002, 6–27–67, Cl. D48—3.
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Edwards, Lindell N., to Commander Board International, Inc. Frame for a display sign. 207,298, 4–4–67, Cl. D1—12.
Edwards, Roy O. Combined desk tray and pen holder. 206,698, 1–10–67, Cl. D74—9.
Egge, William. Peeler for citrus fruit or the like. 208,236, 8–1–67, Cl. D89—1.
Eguchi, Yoshiaki, to Janome Sewing Machine Co., Ltd. Sewing machine. 209,720, 12–26–67, Cl. D70—1.
Eichler, Edwin H. Restaurant building. 207,306, 4–4–67, Cl. D13—1.
Eichler, Edwin H. Restaurant building facade. 209,190, 11–14–67, Cl. D13—1.
Eichorn, Roger H., to Xerox Corp. Xerographic document reproducing apparatus or similar article. 208,337, 8–15–67, Cl. D61—1.
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Eisenberg, Maurice, to Solar Light Mfg. Co. Louver grid for lighting fixture. 209,534, 12–12–67, Cl. D48—23.
Eisenhand, Henry R., to American Home Products Corp. Pellet implanter. 207,894, 6–6–67, Cl. D83—12.
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Elia, Emilio. Foldable motorbicycle. 209,122, 10–31–67, Cl. D90—8.
Elia, Emilio. Foldable bicycle. 209,123, 10–31–67, Cl. D90—8.
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Ely, Laurice D. Vanity mirror. 208,233, 8–1–67, Cl. D86—10.
Ely, Laurice D. Vanity mirror. 208,234, 8–1–67, Cl. D86—10.
Elzaurdia, William D., and W. E. Sharer, to Playskool Mfg. Co. Pull toy or similar article. 206,600, 1–3–67, Cl. D34—15.
Elzaurdia, William D., and W. E. Sharer, to Playskool Mfg. Co. Pull toy or similar article. 206,601, 1–3–67, Cl. D34—15.
Elzaurdia, William D., and W. E. Sharer, to Playskool Mfg. Co. Pull toy or similar article. 206,602, 1–3–67, Cl. D34—15.
Elzaurdia, William D., and W. E. Sharer, to Playskool Mfg. Co. Pull toy or similar article. 206,603, 1–3–67, Cl. D34—15.
Emley, Philip W., and R. B. Knowles, to Cutler-Hammer, Inc. Insulating support for electrical bus bars or similar article. 206,876, 2–7–67, Cl. D26—10.
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Endrizzi, Gilbert D., to Consoweld Corp. Plastic sheet material or the like. 208,127, 7–18–67, Cl. D87—3.
Engel, Lydia E. Nestable tray for laboratory instruments. 209,393, 11–28–67, Cl. D16—1.
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England, Randolph G. Bifold portfolio. 206,985, 2–14–67, Cl. D87—3.
Ensign, Robert H., R. J. Harper, and S. M. Soreff, to Scripto, Inc. Cigarette lighter. 206,898, 2–7–67, Cl. D48—27.
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Ertsgaard, Byron L., and J. A. Gale, to Toro Mfg. Corp. Snow plow housing. 208,199, 8–1–67, Cl. D35—2.
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Falkenberg, Douglass R. Drapery tie-back holder or similar article. 208,775, 10–3–67, Cl. D21—1.
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Fanslow, Ronald J., D. E. Wilkinson, and J. M. Deli, to International Harvester Co. Track roller guard. 209,193, 11–14–67, Cl. D14—3.
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Felske, Arthur M., to General Electric Co. Food cooker or similar article. 207,861, 6–6–67, Cl. D44—1.
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Ferm, Carl W. Sewage septic tank. 207,294, 3–28–67, Cl. D91—1.
Fernandez, Rubin G. Folding dust pan. 207,112, 3–7–67, Cl. D44—18.
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Fiegel, Victor G. Screw cap opener. 208,875, 10–10–67, Cl. D44—29.
Field, Eddy D., II. Man-like model to aid in teaching the martial art of karate. 208,057, 7–11–67, Cl. D34—4.
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Ostrander, Robert K., Jr. 208,096.
Ostrander, Robert K., Jr. 209,460.
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Flenner, Thomas C., to The National Cash Register Co. Expansion pliers or similar article. 206,679, 1–10–67, Cl. D54—13.
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Fossella, Gregory F., R. G. Palmer, and T. R. Salvo, to Keystone Mfg. Corp. Motion picture projector. 209,716, 12–26–67, Cl. D61—1.
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Fouke, Herbert A., to Holophane Co., Inc. Luminaire lens. 207,964, 6–20–67, Cl. D48—16.
Fountain, Alec W., deceased (by M. Fountain, executrix), and D. G. Morgan, to United Kingdom Atomic Energy Authority. Respirator. 208,077, 7–11–67, Cl. 83—1.
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Foxell, Jack S., to The British Oxygen Co. Ltd. Heating and welding torch. 206,834 1–31–67, Cl. D62—2.
Fralick, Richard C. Boom lamp. 207,734, 5–23–67, Cl. D48—20.
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Fraser, Robert F., to Walton Laboratories, Inc. Duct supported humidifier. 207,753, 5–23–67, Cl. D62—4.
Fraser, Robert G. Storage and dispenser cabinet for butter pats. 206,818, 1–31–67, Cl. D52—2.
Frasier, Jordan D., to International Rectifier Corp. Multiple electrode structure for cardiac tests or the like. 206,799, 1–31–67, Cl. D26—1.
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Freed, Leonard N., to Cities Service Oil Co. Console gasoline dispensing unit. 207,968, 6–20–67, Cl. D52—2.
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Goldstein, Arthur, and T. Sobel, to Butler Industries, Inc. Shelf. 207,041, 2–21–67, Cl. D80—9.
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Gonzalez, Francisco J. Game board. 208,868, 10–10–67, Cl. D34—5.
Goodbar, Reid C., and R. N. James, to Riegel Textile Corp. Plastic figured textile fabric. 207,438, 4–11–67, Cl. D87—3.
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Alexis, William D. 206,744.
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Antonson, John O. 207,149.
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Custer, Charles C. 208,750.
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MacWherter, George W. 206,746.
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Allen, Robert M. 208,898.
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Gordon, Alfred J. Case for musical instrument or the like. 209,373, 11–21–67, Cl. D87—5.
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Gould, Jerome, to "42" Products, Ltd., Inc. Combined bottle and cap. 207,070, 2–28–67, Cl. D58—8.
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Gould, Jerry R. Combination goggles and headband. 207,187, 3–14–67, Cl. D57—1.
Gould, Richard J. Tee holder attachment for a golf cart handle. 208,198, 8–1–67, Cl. D34—5.
Gowing, Arthur F., to Wemac Co. Light fixture. 209,535, 12–12–67, Cl. D48—23.
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Graham, Charles H., to Gra-Tec, Inc. Two-port connector block. 208,522, 9–5–67, Cl. D91—3.
Graham, Charles H., to Gra-Tec, Inc. Elbow connector block. 208,523, 9–5–67, Cl. D91—3.
Graham, Charles H., to Gra-Tec, Inc. Three-port connector block. 208,524, 9–5–67, Cl. D91—3.
Graham, Richard W., to The Airolite Co. Adjustable frame for door louvers. 209,132, 11–7–67, Cl. D13—1.
Graham, Thomas A. Ring flange for pipe coupling. 208,388, 8–22–67, Cl. D91—3.

Gran, William A., to The Vendo Co. Front panel for vending machine for postal supplies. 207,456, 4–18–67, Cl. D52—3.
Grant, Edward J., to S. C. Johnson & Son, Inc. Combination liquid dispenser, spring clip attachment and cleaning brush. 207,988, 6–27–67, Cl. D9—2.
Grant, Elsie M. Bed pan. 207,251, 3–28–67, Cl. D4—5.
Grant, Perry J., to The Toy Development Center, Inc. Game figure. 208,315, 8–15–67, Cl. D34—15.
Grant, Perry J., to The Toy Development Center, Inc. Game selector wheel. 209,410, 11–28–67, Cl. D34—5.
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Grasso, Joseph C. and P., to Accessory Specialties, Inc. Combined towel dispenser and waste receptacle. 209,659, 12–26–67, Cl. D4—3.
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Graham, Charles H. 208,524.
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Greene, Oscar, to Name-Maker Corp. Illuminable electric scissors. 209,442, 11–28–67, Cl. D95—5.
Greenwald, Charles D. Pencil rack attachment for a television cabinet or similar article. 209,470, 12–5–67, Cl. D56—4.
Greenwood, Thomas E., and R. E. Farnfield, to Tecalemit (Engineering) Ltd. Vehicle hoist. 206,814, 1–31–67, Cl. D41—1.
Gregoire, Resta S. Building. 208,905, 10–17–67, Cl. D13—1.
Gregory, George W. Pontoon for boats. 209,432, 11–28–67, Cl. D71—1.
Grengg, Walter M. Combined apron and gloves. 208,527, 9–12–67, Cl. D2—27.
Gresens, Robert I., M. C. Hauenstein, and A. M. Felske, to General Electric Co. Electric sabre saw or similar article. 207,695, 5–16–67, Cl. D93—3.
Griffin, Bobby F. Floor mat. 208,189, 8–1–67, Cl. D9—6.
Griffing, Willis. Hanger bracket. 207,067, 2–28–67, Cl. D54—1.
Grimes, Ralph. Bowling ball rack. 209,295, 11–21–67, Cl. D34—5.
Grimshaw, James F., to Bausch & Lomb Inc. Sample container for laboratory testing apparatus. 209,447, 12–5–67, Cl. D16—1.
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Grube, Clifford E. Combined heating and massaging unit. 208,515, 9–5–67, Cl. D83—1.
Grube, Clifford E., to Associated Mills, Inc. Combination heat cushion and back massage. 209,118, 10–31–67, Cl. D83—1.
Gruber, Francis E., to Northwest Plastics, Inc. Strainer ladle. 207,595, 5–9–67, Cl. D44—29.
Grudoski, Daniel P., to Blazon, Inc. Teeter totter. 208,922, 10–17–67, Cl. D34—5.
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Gryctko, Carl E., and F. E. Myers, to I-T-E Circuit Breaker Co. Electrical circuit breaker. 209,209, 11–14–67, Cl. D26—13.
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Guerrero, John J., Sr., to Westland Plastics, Inc. Toy savings bank. 208,314, 8–15–67, Cl. D34—11.
Gugliotta, John, and K. J. Riddle, to Weston Instruments, Inc. Exposure meter. 209,022, 10–24–67, Cl. D61—1.
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Gunn, Walter E. Drying rack. 206,677, 1–10–67, Cl. D49—1.
Gunnell, Robert D. Highchair or the like. 207,779, 5–30–67, Cl. D15—1.
Gurr, Robert H., to Wed Enterprises, Inc. Passenger vehicle. 209,579, 12–19–67, Cl. D14—3.
Guthart, Leo A., to Alarm Device Mfg. Co., a Division of Pittsburgh Railways Co., Inc. Siren. 206,634, 1–3–67, Cl. D72—1.
Guthrie, Foster H., to The Larsen Mfg. Co. Support for elongated, tenuous articles. 206,849, 1–31–67, Cl. D91—1.
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Hershberger, Charles L. 209,046.
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Haber, William. Holding clip for cards or the like. 208,105, 7–18–67, Cl. D54—1.
Haddad, Amram. Packaging container for a doll. 207,242, 3–21–67, Cl. D58—2.
Hagedorn, Lowell R. Hair tinter dispenser. 206,900, 2–7–67, Cl. D52—2.
Hagelbarger, David W., to Bell Telephone Laboratories, Inc. Telephone dial wheel or similar article. 209,670, 12–26–67, Cl. D26—14.
Hagenson, Leo J., to Rolite, Inc. Collapsible travel trailer. 209,280, 11–21–67, Cl. D14—3.
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Haggstrom, Olle E., C. N. Johnson, and W. V. Judson, to General Electric Co. Electric cigarette lighter charger and storage device or similar article. 206,590, 1–3–67, Cl. D26—15.
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Hahn, Lloyd C., to Hahn Inc. Snow blower fan for snow removal equipment. 209,304, 11–21–67, Cl. D35—2.
Hajec, Richard G., to Rotron Mfg. Co., Inc. Centrifugal fan. 207,359, 4–4–67, Cl. D62—4.
Hakim, Albert S. Poker chip. 209,216, 11–14–67, Cl. D34—5.
Halberstadt, Lewis J., to Pro-Phy-Lac-Tic Brush Co. Shoe dauber. 206,792, 1–31–67, Cl. D9—2.
Hale, Thomas K., to Dispensers, Inc. Condiment caddy. 206,945, 2–14–67, Cl. D44—7.
Haley, Dwight L., to Ferro Corp. Combined reflective highway lane divider and road marker. 207,038, 2–21–67, Cl. D72—1.
Halibrand, Henry T. Racing wheel. 208,542, 9–12–67, Cl. D14—30.
Halibrand, Henry T. Racing wheel. 208,543, 9–12–67, Cl. D14—30.
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Hamilton, Charles A., to CAH Industries, Inc. Guard for the opening in a waste receptacle. 208,507, 9–5–67, Cl. D58—17.
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Hamilton, Donald A., to Pharmaseal Laboratories. Hypodermic syringe package. 208,080, 7–11–67, Cl. D83—12.
Hamilton, Earl F., and E. K. Moore, to Hamilton Cosco, Inc. Tea cart. 208,360, 8–22–67, Cl. D33—14.
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Hammons, Robert B., to Minnesota-Ohio Oil Corp. Band blade razor. 208,046, 7–4–67, Cl. D95—3.
Hampel, Herbert J., and M. I. Ross, to The Ross Mfg. Co. Knob. 209,143, 11–7–67, Cl. D26—13.
Hampel, Herbert J., and M. I. Ross, to The Ross Mfg. Co. Knob. 209,144, 11–7–67, Cl. D26—13.
Hampel, Herbert J., and M. I. Ross, to The Ross Mfg. Co. Knob. 209,145, 11–7–67, Cl. D26—13.
Hampell, Herbert J., and M. I. Ross, to The Ross Mfg. Co. Knob. 209,591, 12–19–67, Cl. D26—13.

Hamrick, James C., to Jet Lines Products, Inc. Wall installable vacuum cleaner unit. 207,773, 5–30–67, Cl. D9—2.
Hanley, Harry W. Dial indicator. 207,022, 2–21–67, Cl. D52—6.
Hanlon, Donald V., and J. M. Kilpatrick, to Container Corporation of America. Pull tab for tear strip opener. 208,592, 9–12–67, Cl. D58—26.
Hanna, Michael J., and F. A. Maljan, to Malmik Enterprises. Set of chess pieces. 207,323, 4–4–67, Cl. D34—5.
Hanrahan, Norman T. Cable clamp. 209,702, 12–26–67, Cl. 54—1.
Hansen, Lindsey B., to Hardy Scales Co. Control console. 208,981, 10–24–67, Cl. D26—5.
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Deal, Roger L., and Hansen. 209,056.
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Hanson, Arthur E. Shipping box or similar article. 208,588, 9–12–67, Cl. D58—12.6.
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Harley, James J., to Optics International Corp. Sunglass front. 207,558, 5–2–67, Cl. D57—1.
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Hart, George H., deceased (by V. M. Arnold, administratrix), to Brunswick Corp. Billiard table or the like. 209,522, 12–12–67, Cl. D34—3.
Hart, Walter R., to The Union Fork and Hoe Co. Lawn edging tool. 207,722, 5–23–67, Cl. D40—1.
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Hartwell, Donald S., to Sheffield Laboratories, Inc. Facial steam applicator. 208,514, 9–5–67. Cl. D83—1.
Hartwell, Donald S. Combined flashlight and compact. 209,365, 11–21–67, Cl. D86—10.
Hartwell, Martha R. Campaign badge. 207,642, 5–16–67, Cl. D29—3.
Harum, James D. Cat house. 209,042, 10–31–67, Cl. D12—2.
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Hauser, Jon W., to Krueger Metal Products Co. Multiple seating unit. 209,665, 12–26–67, Cl. D15—8.
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Hayward, Richard H. Multi-tank aquarium. 208,243, 8–1–67, Cl. D91—2.
Hazard, Robert E., to Polytop Corp. Dispensing closure. 209,105, 10–31–67, Cl. D58—26.
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Hedberg, Carl R., to AMP Inc. Clip for removing explosively operated wedge type electrical connectors. 206,680, 1–10–67, Cl. D54—13.
Hedberg, Carl R., to AMP Inc. Clip for removing explosively-operated wedge-type electrical connectors. 207,504, 4–25–67, Cl. D54—13.
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Hegemann, Manfred K., to The Firewel Co., Inc. Housing for breathing apparatus. 208,078, 7–11–67, Cl. D83—1.
Hehn, Bruce, to Wheeling Steel Corp. Expanded metal sheet. 207,604, 5–9–67, Cl. D54—2.
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Kirwan, Robert M. Food serving tray. 206,761, 1–24–67, Cl. D44—10.
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Kirwan, Robert M. Food serving tray. 206,763, 1–24–67, Cl. D44—10.
Kite, Manuel C. Combination kitchen unit. 206,886, 2–7–67, Cl. D33—19.
Kitts, Keith D., to Admiral Corp. Portable phonograph or similar article. 207,348, 4–4–67, Cl. D56—4.
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Klein, Andrew C., Jr. Clock. 208,647, 9–19–67, Cl. D42—7.
Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Armoire. 207,013, 2–21–67, Cl. D33—6.
Klenk, Edna Mae. Bath brush. 207,165, 3–14–67, Cl. D9—2.
Klimkiewicz, Daniel A., to R. A. Darby. Dog collar ornament or similar article. 206,749, 1–24–67, Cl. D12—2.
Klimkiewicz, Daniel A., ½ to R. A. Darby. Dog collar ornament or similar article. 206,861, 2–7–67, Cl. D12—2.
Klingberg, Arthur F., to Beco Products Corp. Stand for supporting a bird cage or the like. 208,026, 7–4–67, Cl. D31—2.
Klopfenstein, Fritzi, to Interstate Bag Co., Inc. Shopping bag. 209,622, 12–19–67, Cl. D58—2.
Kloppenstein, Fritzi, to Interstate Bag Co., Inc. Shopping bag. 208,072, 7–11–67, Cl. 58—2.
Knapp, James G., and C. A. Leubner. Floor treating machine or similar article. 206,576, 1–3–67, Cl. D9—2.
Knight, Willard C. Holder for a cigarette lighter. 206,983, 2–14–67, Cl. D87—5.
Knodt, Ruediger W., to Corning Glass Works. Candle warmer or the like. 206,946, 2–14–67, Cl. D44—10.
Knodt, Ruediger W., to Corning Glass Works. Sugar dispenser or similar article. 207,863, 6–6–67, Cl. D44—15.
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Knowles, Arthur N., to London Winery Ltd. Bottle. 207,352, 4–4–67, Cl. D58—9.
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Koch, Samuel J. Dental jet producing unit. 209,585, 12–19–67, Cl. D24—1.
Koch, Samuel J. Dental jet producing kit. 209,586, 12–19–67, Cl. D24—1.
Koch, Walter. Sandglass timer. 209,531, 12–12–67, Cl. D42—7.
Kochanowski, George A. Carpet kicker. 209,620, 12–19–67, Cl. D54—13.
Koeber, Theodore H., R. A. Skyer, and D. A. McCallum, to International Harvester Co. Separator hood for a combine. 208,418, 8–29–67, Cl. 40—1.
Koeber, Theodore H., G. E. Bowman, and M. E. Kolak, to International Harvester Co. Tractor. 208,697, 9–26–67, Cl. D14—3.
Koeber, Theodore H., R. A. Skyer, and D. A. McCallum, to International Harvester Co. Self-propelled combine. 209,413, 11–28–67, Cl. D40—1.
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Koenigsberg, Victor, to Colgate-Palmolive Co. Bottle or similar article. 207,920, 6–13–67, Cl. D58—6.
Koenigsberg, Victor, to Colgate-Palmolive Co. Bottle or similar article. 207,923, 6–13–67, Cl. D58—8.
Koenigsberg, Victor, to Colgate-Palmolive Co. Bottle or similar article. 207,925, 6–13–67, Cl. D58—8.
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Korbing, Kay, to JG Furniture Co., Inc. Chair. 207,581, 5–9–67, Cl. D15—1.
Koroncai, Adam, to Carinthia Elektrogerate Gesellschaft m.b.H. Dry shaver casing. 207,944, 6–13–67, Cl. D95—3.
Korte, Willard H., to Tasco Sales, Inc. Camera mount for a telescope or similar article. 209,635, 12–19–67, Cl. D61—1.
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Kostial, Benjamin C., to Texas National Mfg. & Sales Co. Combination roaster and broiler. 209,491, 12–5–67, Cl. D81—10.
Kosuge, Matsuzo. Track in a music playing toy railroad. 206,723, 1–17–67, Cl. D34—15.
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Kotler, Aaron L., to Gleason Corp. Reflector. 207,930, 6–13–67, Cl. D72—1.
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Kotuby, Paul M., to The Risdon Mfg. Co. Combined valve actuator and dispensing head for a pressurized container. 206,832, 1–31–67, Cl. D58—26.
Koubele, Emil J. Auxiliary sun visor. 208,975, 10–24–67, Cl. D14—6.
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Koziol, Walter, to Charmglow Products, Inc. Barbecue. 206,976, 2–14–67, Cl. D81—10.
Koziol, Walter, to Charmglow Products, Inc. Combined barbecue and rotisserie. 206,977, 2–14–67, Cl. D81—10.
Koziol, Walter, to Charmglow Mfg. Co. Lamp. 208,101, 7–18–67, Cl. D48—31.
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Kraus, Kenneth D. Bulletin board. 207,780, 5–30–67, Cl. D25—1.
Krechman, David. Magnetic tape playback unit or similar article. 207,640, 5–16–67, Cl. D26—14.
Krechman, David. Combined magnetic tape stereo playback device and speaker cabinet unit or similar article. 207,641, 5–16–67, Cl. D26—14.
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Kunz, Hans J. Combined drinking glass and brush holder and shelf. 207,092, 3–7–67, Cl. D4—3.
Kunz, Hans J. Combined soap dish and shelf. 207,093, 3–7–67, Cl. D4—3
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Lahti, Aarre A., to American Safety Equipment Corp. of Michigan. Motorcycle saddlebag. 209,185, 11–7–67, Cl. D90—3.
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Lang, Anton. Combined container, dispenser, and tray for soap. 208,671, 9–19–67, Cl. D58—12.6.
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Latham, Richard S., to American Home Products, Corp. Vegetable masher. 207,195, 3–14–67, Cl. D89—1.
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Baker, Jack F. 206,993.
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Doblin, Jay. 207,300.
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Levin, Monte, to Empire Brushes, Inc. Power-operated vibrating hair brush. 206,573, 1–3–67, Cl. D9—2.
Levin, Monte, to Rudi Baer, doing business as Progressus Co. Egg slicer. 207,378, 4–4–67, Cl. D89—1.
Levin, Monte, to Rudi Baer, d/b/a Progressus Co. Ice cream scoop. 208,262, 8–8–67, Cl. D44—29.
Levin, Monte, to British Industries Corp. Base for a phonograph turntable or similar article. 209,711, 12–26–67, Cl. D56—4.
Levin, Myron M. Food mold. 209,157, 11–7–67, Cl. D44—1.
Levin, Myron M. Corn skewer. 209,158, 11–7–67, Cl. D44—4.
Levin, Myron M. Charcoal grill. 209,492, 12–5–67, Cl. D81—10.
Levin, Myron M., and N. R. Sachnoff. Drinking cup. 207,408, 4–11–67, Cl. D44—9.
Levinger, Benjamin M., to Schlage Lock Co. Lock escutcheon. 208,205, 8–1–67, Cl. D50—6.
Levis, Allen, and R. Gordon, to Stuart-Allen Corp. Drinking cup. 207,961, 6–20–67, Cl. D44—9.
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Levy, Edward D., R. W. Weeden, and E. M. Muller, to Union Carbide Corp. Upholstered high chair. 208,152, 7–25–67, Cl. D15—1.
Levy, Morris D., to David Kahn, Inc. Pen cap. 206,735, 1–17–67, Cl. D74—17.
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Scott, Philip E., Jr., and Burgess. 207,843.
Ligeti, Enrique C., and H. A. Keough. Game board. 209,300, 11–21–67, Cl. D34—5.
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Liljemark, Frank H., to Electro Specialty Mfg. Co. Oil filter wrench. 207,555, 5–2–67, Cl. D54—16.
Lily-Tulip Cup Corp.: *See*—
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Huston, Henry H. 209,243.
Lincoln, Eric, to International Laboratories Ltd. Bottle. 208,333, 8–15–67, Cl. D58—9.
Lind, Clifford W. Pet clean-up rake. 209,660, 12–26–67, Cl. D9—2.
Lind, Larry W., to Cubic Corp. Ballot marker or the like. 208,599, 9–12–67, Cl. D74—17.
Lindberg, Albert W., Jr. Swimming pool vacuum cleaner head. 208,851, 10–10–67, Cl. D9—2.
Lindsey, L. E. Conductor clamp. 209,667, 12–26–67, Cl. D26—1.
Lindsey, L. E. Conductor clamp. 209,668, 12–26–67, Cl. D26—1.
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Lindsey, Seth B., and J. H. Klancke, to Phillips Mfg. Co., Inc. Propane operated heater for water cooled engines or the like. 208,076, 7–11–67, Cl. 81—1.
Lindsey, Seth B., and J. H. Klancke, to Phillips Mfg. Co., Inc. Propane operated heater for water cooled engines or the like. 208,444, 8–29–67, Cl. D81—1.
Lindstrom, Karl H., to Aktiebolaget Electrolux. Cooker for frozen precooked food. 208,601, 9–12–67, Cl. D81—10.
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Link, Lawrence J., Jr., to Honeywell Inc. Test probe. 209,053, 10–31–67, Cl. D26—1.
Linn, James L., to Owens-Illinois, Inc. Bottle. 207,745, 5–23–67, Cl. D58—6.
Linn, James L., Jr., to Owens-Illinois, Inc. Bottle. 207,798, 5–30–67, Cl. D58—6.
Linn, James L., Jr., to Owens-Illinois, Inc. Jug. 208,110, 7–18–67, Cl. D58—5.
Linn, James L., Jr., to Owens-Illinois, Inc. Bottle. 209,102, 10–31–67, Cl. D58—8.
Linscheid, Edna M. Combination support and rest for an electric iron. 207,148, 3–7–67, Cl. D19—6.
Lippe, Vincent S., to Silvestri Art Mfg. Co. Candle trimmer. 208,489, 9–5–67, Cl. D48—2.
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Loeb, Morris, to Liberty Hardware Mfg. Corp. Rose plate for knobs or the like. 208,575, 9–12–67, Cl. D50—6.
Loeffler, Herbert H. Combined label printing and dispensing implement. 207,435, 4–11–67, Cl. D64—10.
Lohr, Raymond J., to Louis Marx & Co., Inc. Toy steering wheel. 208,788, 10–3–67, Cl. D34—15.
Lokken, Rodney D., and C. H. Sorenson. Detachable weight box for the front end of tractors. 208,300, 8–15–67, Cl. D14—6.
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Knowles, Arthur N. 207,352.
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Long, Mary W.: *See*—
Long, Roy D. 208,151.
Long, Roy D., deceased (by M. M. Long, executrix), to S. Lewis. Vehicle top. 208,151, 7–25–67, Cl. D14—27.
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Loosen, Ronald E., and L. C. Sanderson, to Ampex Corp. Tape deck. 207,637, 5–16–67, Cl. D26—5.
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Lorentzen, Hans K., to Levolor Lorentzen, Inc. Hand tool for cutting or punching or the like. 207,275, 3–28–67, Cl. D54—13.
Lorenzo, Albert M. Mial Mfg. Corp. Table lamp. 207,064, 2–28–67, Cl. D48—20.
Losserand, Paul. Spool for coloring threads. 208,316, 8–15–67, Cl. D41—1
Loston, Zallo. Belt. 206,930, 2–14–67, Cl. D3—10.
Loston, Zallo. Belt. 207,770, 5–30–67, Cl. D2—380.
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Lovett, Wendell H. Base for freestanding fireplace. 207,935, 6–13–67, Cl. D81—7.
Lovitz, David D., to Sterneo Industries, Inc. Aquarium pump. 207,363, 4–4–67, Cl. D65—1.
Lowe, Harry E., III, and A. B. Mojonnier, to Albert Mojonnier, Inc. Jug. 208,823, 10–3–67, Cl. D58—5.
Lowe, Henry E., Jr., to Lowe's, Inc. Bird food pendant. 207,781, 5–30–67, Cl. D31—2.
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Lowe, Henry E., Jr. 207,781.
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Lubke K.G.: *See*—
Moeckl, Ernst. 208,976.
Ludwick, Lawrence G., to The Estey Musical Instrument Corp. Guitar head. 207,426, 4–11–67, Cl. D56—1.
Lueddeke, Edward J. Lorgnette. 206,910, 2–7–67, Cl. D57—1.
Lull, Raymond S., to The B. F. Goodrich Co. Tire. 207,382, 4–4–67, Cl. D90—20.

Lum, Warren S., and B. Netland, to Crouse-Hinds Co. High bay lighting unit. 207,414, 4–11–67, Cl. D48—23.

Lumina Electronics Co. Ltd.: *See*—
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Lurkis, Alexander: *See*—
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Deskey, Donald, and Lurkis. 207,665.

Lurski, Robert B., to Club Aluminum Products Co. Masher head. 206,926, 2–7–67, Cl. D89—1.

Lurski, Robert B., to Club Aluminum Products Co. Mixer blade. 208,062, 7–11–67, Cl. D44—1.

Lustbader, Samuel. Combined holder and extinguisher for a cigarette. 208,517, 9–5–67, Cl. D85—2.

Lutz, Gilbert F., to The Warner & Swasey Co. Combined tool base and cutter block for a lathe. 207,345, 4–4–67, Cl. D54—6.

Lutz, Gilbert F., to The Warner & Swasey Co. Tool holder. 207,346, 4–4–67, Cl. D54—13.

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Lyman, George F., to Data Packaging Corp. Reel rack. 209,681, 12–26–67, Cl. D33—3.

Lynk, Leo F., to Counting Systems, Inc. Combined menu selector and item totalizer or similar article. 208,782, 10–3–67, Cl. D26—5.

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Mabie, Joseph B., and C. H. Lodge, Jr. Wall washing mop head or similar article. 206,748, 1–24–67, Cl. D9—2.

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Macalusa, Carroll J., and E. L. Schaper, to The Dow Chemical Co. Container for oil products or the like. 209,632, 12–19–67, Cl. D58—17

MacChesney, Chester M., and R. Winkler, to Ellamac Inc. Combined clock, calendar and cabinet for eyeglasses. 209,156, 11–7–67, Cl. D42—7.

Machos, Jack C. Golf putter head. 208,313, 8–15–67, Cl. D34—5.

Mackay, Frederick G., A. B. Johnson, and J. W. Mattingly, to Aqua-Tec Corp. Rack for dental hygiene appliances or the like. 208,776, 10–3–67, Cl. D24—1.

Macker, John A., and E. S. Bewley, to Burroughs Corp. Computer operator console. 209,508, 12–12–67, Cl. D26—5.

Mackie, Charles G., and P. G. Holliday, to Standard Screw Co. Nut. 207,181, 3–14–67. Cl. D54—9.

Macleod, Robert B., Jr., to Sylvania Electric Products, Inc. Lighting fixture. 208,877, 10–10–67, Cl. D48—20.

MacMillan, Charles W., to Bear Mfg. Co. Automotive vehicle diagnostic lane. 206,767, 1–24–67, Cl. D52—6.

MacNeill, Arden B. Ratchet tool for rotary attachments. 207,125, 3–7–67, Cl. D54—16.

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Macowski, William, to Ketcham & McDougall, Inc. Desk blotter. 208,281, 8–8–67, Cl. D74—1.

MacWherter, George W., to The B. F. Goodrich Co. Tire. 206,746, 1–17–67, Cl. D90—20.

MacWherter, George W., to The B. F. Goodrich Co. Tire. 206,846, 1–31–67, Cl. D90—20.

MacWherter, George W., to The B. F. Goodrich Co. Tire. 208,014, 6–27–67, Cl. D90—20.

MacWherter, George W., to The B. F. Goodrich Co. Tire. 208,015, 6–27–67, Cl. D90—20.

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Madding, Robert H., to Eaton Yale & Towne, Inc. Hoist push button control. 209,207, 11–14–67, Cl. D26—13.

Madl, Alfred W., to John Oster Mfg. Co. Lather generator. 206,789, 1–31–67, Cl. D4—3.

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Madl, Alfred W., to John Oster Mfg. Co. Motor operated toothbrush handle. 208,626, 9–19–67, Cl. D9—2.

Madl, Alfred W., and R. D. Raitnen, to John Oster Mfg. Co. Massager housing. 208,608, 9–12–67, Cl. D83—1.

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Maguire, Paul R., to Adams Rite Mfg. Co. Spout unit. 207,985, 6–20–67, Cl. D91—3.

Maguire, Paul R., to Adams Rite Mfg. Co. Valve handle unit. 208,521, 9–5–67, Cl. D91—3.

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Makris, Aristides, to The B. F. Goodrich Co. Tire. 206,987, 2–14–67, Cl. D90—20.

Makris, Aristides, to The B. F. Goodrich Co. Tire. 206,988, 2–14–67, Cl. D90—20.

Makris, Aristides, to The B. F. Goodrich Co. Tire. 207,152, 3–7–67, Cl D90—20.

Makris, Aristides, to The B. F. Goodrich Co. Tire. 208,450, 8–29–67, Cl. D90—20.

Makris, Aristides, to The B. F. Goodrich Co. Tire. 208,751, 9–26–67. Cl. D90—20.

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Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 208,581, 9–12–67, Cl. D54—12.

Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 208,582, 9–12–67, Cl. D54—12.

Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 208,667, 9–19–67, Cl. D54—12.

Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 208,668, 9–19–67, Cl. D54—12.

Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 208,880, 10–10–67, Cl. D54—12.

Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 208,881, 10–10–67, Cl. D54—12.

Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 208,882, 10–10–67, Cl. D54—12.

Manderfield, Ellen B., to Oneida, Ltd. Spoon or similar article. 209,088, 10–31–67, Cl. D54—12.

Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 209,089, 10–31–67, Cl. D54—12.

Mangini, Daniel J. Refrigerated display case. 209,722, 12–26–67. Cl. D80—11.

Mango, Joseph R.: *See*—
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Mango, Joseph R., to Temco Inc. Space heater. 207,980, 6–20–67, Cl. D81—19.

Mango, Joseph R., and M. Giannola, to Portable Electric Tools, Inc. Hedge trimmer. 207,232, 3–21–67, Cl. D40—1.

Mango, Joseph R., and J. E. Scanland, to American Machine & Foundry Co. Power sled. 207,580, 5–9–67, Cl. D14—24.

Mann, David E., Jr. Ball rolling game hat. 207,654, 5–16–67, Cl. D34—15.

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Marder, Leo, and W. Mowry, to Matson Mfg. Co., Inc. Mirror or the like. 208,081, 7–11–67, Cl. D86—10.

Margolis, Joseph M. Hanger. 209,085, 10–31–67, Cl. D54—1.

Margulis, Joseph M. Picture hanger. 208,580, 9–12–67, Cl. D54—1.

Mariani, Elena, to Coro, Inc. Earring. 208,263, 8–8–67, Cl. D45—9.

Mariani, Elena. Bracelet or the like. 208,323, 8–15–67, Cl. D45—4.

Marien, Henry J., and J. B. Swett, to Rexall Drug and Chemical Co. Holder for cords and the like. 208,570, 9–12–67, Cl. D14—30.
Marien, Henry J., and J. B. Swett, to Rexall Drug and Chemical Co. Combined pitcher and cover therefor. 208,899, 10–17–67, Cl. D44—21.
Marker, Hannes. Ski binding. 209,684, 12–26–67, Cl. D34—14.
Markham, David R., to Deere & Co. Row crop harvesting attachment. 209,069, 10–31–67, Cl. D40—1.
Markim, Betty J. Riding spur. 209,214, 11–14–67, Cl. D30—31.
Markowitz, Jerome, to Allen Organ Co., Inc. Keyboard controlled musical instrument. 207,974, 6–20–67, Cl. D56—2.
Marks, Lou F., to Bruce Molded Plastic Products, Inc. Luggage handle and the like. 209,726, 12–26–67, Cl. D87—2.
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Marshall, Cecil L. Portable kinescope jig for testing television tubes. 209,140, 11–7–67, Cl. D26—1.
Marshall, Dean A. Apparatus for marking metals. 208,430, 8–29–67, Cl. D54—13.
Martin, David A. Lint remover. 206,791, 1–31–67, Cl. D9—2.
Martin, Edward J. Feeder tape for installing electric cables. 207,024, 2–21–67, Cl. D54—13.
Martin, Ernest N., D. B. Maxson, and J. F. Scheffer, to Columware, Inc. Dispenser for beverages, foods and the like. 207,526, 4–25–67, Cl. D94—3.
Martin, Gene. Carafe. 209,073, 10–31–67, Cl. D44—21.
Martin, John C., to Bunn-O-Matic Corp. Pour in type beverage maker. 209,125, 10–31–67, Cl. D94—3.
Martin, John C., to Bunn-O-Matic Corp. Pour in type beverage maker. 209,126, 10–31–67, Cl. D94—3.
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McLeod, Charles A., to Sunbeam Corp. Clock. 208,801, 10–3–67, Cl. D42—7.
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Meyer, Carl R. Shade umbrella. 209,650, 12–19–67, Cl. D88—3.
Meyer, Carl R. Shade umbrella. 209,651, 12–19–67, Cl. D88—3.
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Roston, Robert J., W. O. Boss, and A. R. Holt, to City of Anaheim. Scoreboard. 209,443, 11–28–67, Cl. D96—12.

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Roth, Robert A. Bottle closure or similar article. 208,118, 7–18–67, Cl. D58—26.

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Rowbottam, Francis W., to Delkay Plastics Corp. Flower pot. 207,174, 3–14–67, Cl. D35—3.

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Roy, James W., to Jennings Radio Mfg. Corp. Electromagnetically actuated miniature vacuum relay. 208,864, 10–10–67, Cl. D26—13.

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Rupp, George A., Jr. Mobile flower shop. 208,696, 9–26–67, Cl. D14—3.

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Rundell, William G., to Clark Equipment Co. Refrigerator cabinet or the like. 207,928, 6–13–67, Cl. D67—3.

Russell, Carl D. Stick horse toy. 208,644, 9–19–67, Cl. D34—15.

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Ryan, John W., to Mattel, Inc. Circus-act-simulating game toy. 207,494, 4–25–67, Cl. D34—15.

Ryan, John W., and C. R. Zimmerman, to Mattel, Inc. Game board. 206,811, 1–31–67, Cl. D34—5.

Ryan, John W., and J. H. Goetz, to Mattel, Inc. Musical instrument toy. 206,824, 1–31–67, Cl. D56—1.

Ryan, John W., and C. F. Adickes, Jr., to Mattel, Inc. Racing game board. 207,014, 2–21–67, Cl. D34—5.

Ryan, John W., and F. E. Schlau, to Mattel, Inc. Convertible gun toy. 207,172, 3–14–67, Cl. D34—15.

Ryan, John W., and D. H. Meggs, to Mattel, Inc. Combined rocket and launching vehicle toy. 207,651, 5–16–67, Cl. D34—15.

Ryan, John W., and C. F. Adickes, Jr., to Mattel, Inc. Combined game board and suitcase-type container. 207,714, 5–23–67, Cl. D34—5.

Ryan, John W., and C. F. Adickes, Jr., to Mattel, Inc. Combined game board and suitcase-type container. 207,715, 5–23–67, Cl. D34—5.

Ryan, John W., and F. E. Schlau, to Mattel, Inc. Convertible camera-gun toy. 207,912, 6–13–67, Cl. D34—15.

Ryan, John W., and G. W. Schmidt, to Mattel, Inc. Spot-welder. 208,254, 8–8–67, Cl. D26—1.

Ryan, John W., and G. W. Schmidt, to Mattel, Inc. Toy vehicle. 208,715, 9–26–67, Cl. D34—15.

Ryan, John W., and G. W. Schmidt, to Mattel, Inc. Crawler-type toy vehicle. 209,220, 11–14–67, Cl. D34—15.

Ryan, Le Roy J., Jr. Organ cabinet. 207,347, 4–4–67, Cl. D56—2.

Ryan, Le Roy J., Jr. Organ cabinet. 207,975, 6–20–67, Cl. D56—2.

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Sachs, Charles M., and E. E. Astor, to International Playtex Corp. Brassiere. 207,478, 4–25–67, Cl. D2—24.

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Smith, Thomas R., to The Maytag Co. Washing machine agitator. 209,009, 10–24–67, Cl. D49—1.
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Standard, Louis G. Stereo tape cartridge holder for car visor. 208,253, 8–8–67, Cl. D14—6.
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Valles, Benjamin V., to Litton Precision Products, Inc. Electron discharge device. 208,862, 10-10-67, Cl. D26—8.
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Wagner, Harold O., and M. S. Ziskin, to American Trading and Production Corp. Canister or similar article. 207,658, 5–16–67, Cl. D44—6.
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Walter, Cletus N., 37½% to McCormick, Barstow, Sheppard, Coyle & Best. Highway marker. 206,635, 1–3–67, Cl. D72—1.
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Walthers, Donald V., Sr. Convertible top for fire engines. 207,309, 4–4–67, Cl. D14—27.
Walton Laboratories, Inc.: *See*—
Fraser, Robert F. 207,753.
Waltz, Edward, to The E. O. Bulman Mfg. Co., Inc. Write-on tape dispenser. 208,512, 9–5–67, Cl. D74—1.
Waltz, Edward, to The E. O. Bulman Mfg. Co. Inc. Write-on tape dispenser. 208,597, 9–12–67, Cl. D74—1.
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Walz, David K., to Lithonia Lighting, Inc. Hooded wall bracket. 206,676, 1–10–67, Cl. D48—4.
Wank, Jerome, and R. Fusco. Mop holder. 206,995, 2–21–67, Cl. D9—2.
Ward, David E. Footrest or similar article. 208,022, 7–4–67, Cl. D15—8.
Ward, Hardin L., Sr. Combined foot rest and shoe heel protector for use by an automobile driver. 208,357, 8–22–67, Cl. D14—6.
Ward, Irving A.: *See*—
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Ward, Raymond R., to Golf Specialties, Inc. Golf tee. 208,711, 9–26–67, Cl. D34—5.
Ward, Wallace W., to Diecasters Inc. Candlestick. 209,002, 10–24–67, Cl. D48—2.
Ward, Wallace W., to Diecasters Inc. Candlestick. 209,003, 10–24–67, Cl. D48—2.
Wareham, Richard, and R. Ellsworth, to Superior Funeral Supply Corp. Prayer rail. 207,841, 6–6–67, Cl. D15—8.
Wareham, Richard, and R. Ellsworth, to Superior Funeral Supply Corp. Prayer rail. 207,842, 6–6–67, Cl. D15—8.
Wareham, Richard, and R. Ellsworth, to Superior Funeral Supply Corp. Gasket display bier. 209,198, 11–14–67, Cl. D19—1.
Wareham, Richard, and R. Ellsworth, to Superior Funeral Supply Corp. Casket display bier. 209,666, 12–26–67, Cl. D19—1.
Warner, Caleb, to D. H. Baldwin Co. Harpsichord. 207,507, 4–25–67, Cl. D56—9.
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Ninesling, Arthur J., and O'Brien. 209,715.
Warner, Norman. Egg boiling rack. 208,648, 9–19–67, Cl. D44—1.

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Lutz, Gilbert F. 207,346.
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Jennings, Thomas W. 208,949.
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Wasson, John H.: *See*—
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Wastowicz, Tadelus. Font of type. 207,888, 6–6–67, Cl. D64—12.
Watanabe, Yoshiyuki. Battery eliminator or the like. 207,318, 4–4–67, Cl. D26—15.
Watanabe, Yoshiyuki. DC power pack eliminator. 209,403, 11–28–67, Cl. D26—15.
Watanuki, Moriyuki, to Denki Onkyo Co., Ltd. Stereo tape recorder. 209,059, 10–31–67, Cl. D26—14.
Watanuki, Moriyuki, to Denki Onkyo Co., Ltd. Tape recorder. 209,516, 12–12–67, Cl. D26—14.
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Wathen, Robert W. Floating game goal. 209,457, 12–5–67, Cl. D34—5.
Watkins, Kenneth H. Oil tank for motorcycle. 209,494, 12–5–67, Cl. D90—8.
Watkins, Lucius D., to Outboard Marine Corp. Compressor. 207,562, 5–2–67, Cl. D71—1.
Watson, Robert E., to Swedish Crucible Steel Co. Liquid shampoo dispenser. 209,038, 10–31–67, Cl. D4—3.
Watson Seafood and Poultry Co., Inc.: *See*—
Titus, Charles W. 208,238.
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Titus, Charles W. 208,286.
Watts, Richard M., to Reynolds Metals Co. Place mat or the like. 206,851, 1–31–67, Cl. D92—26.
Watts, Richard M., to Reynolds Metals Co. A combined packaging box and serving tray. 206,964, 2–14–67, Cl. D58—12.6.
Weaver, Avery F. Handle bar for a motorcycle or other vehicle. 209,262, 11–14–67, Cl. D90—11.
Webb, Daniel D., to American Safety Equipment Corp. of Michigan. Safety helmet. 206,648, 1–10–67, Cl. D3—13.
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Maurer, John A., Lappin, and Walquist. 209,139.
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Weber, Wesley A., and T. J. Hurtt, to All-Steel Equipment Inc. Entrance head or similar article for wires and the like. 208,307, 8–15–67, Cl. D26—5.
Weck, Edward & Co., Inc.: *See*—
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Weckman, Richard L., to Owens-Illinois, Inc. Jug. 206,960, 2–14–67, Cl. D58—5.
Weckman, Richard L., to Owens-Illinois, Inc. Bottle. 206,962, 2–14–67, Cl. D58—8.
Weckman, Richard L., to Owens-Illinois, Inc. Jar. 206,966, 2–14–67, Cl. D58—25.
Weckman, Richard L., to Owens-Illinois, Inc. Bottle. 207,880, 6–6–67, Cl. D58—6.
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Wedermeyer, Henry. Combined back scratcher and shoe horn. 208,894, 10–10–67, Cl. D86—10.
Weeber, Marion, to American Home Products Corp. Spoon or similar article. 207,672, 5–16–67, Cl. D54—12.
Weeber, Marion, to American Home Products Corp. Spoon or similar article. 207,673, 5–16–67, Cl. D54—12.
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Nidetch, Jean 208,478.
Weikel, Claude O., and J. Q. Scribner. Combined screen and storm door. 207,396, 4–11–67, Cl. D13—1.
Weimer, Ralph E., to McDonalds System, Inc. Waste receptacle. 209,630, 12–19–67, Cl. D58—17.
Weinand, John A., and L. F. Urban, to Hershey Mfg. Co. Coin controlled amusement machine or similar article. 208,030, 7–4–67, Cl. D34—5.
Weiner, Myron J., to Hallett Mfg. Co. Filter attachment for spark plugs. 209,397, 11–28–67, Cl. D26—1.
Weiner, Myron J., to Hallett Mfg. Co. Filter attachment for spark plugs. 209,399, 11–28–67, Cl. D26—1.
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Weiss, Eugene, to Beacon Enterprises, Inc. Bicycle exerciser or the like. 209,065, 10–31–67, Cl. D34—5.
Weiss, Harry M.: *See*—
Weiss, Irene and H. M. 207,911.
Weiss, Irene and H. M. Combined bar and electric model car race track. 207,911, 6–13–67, Cl. D34—5.
Weiss, Reinhold, to Braun Aktiengesellschaft. Food mixer and the like. 207,859, 6–6–67, Cl. D44—1.
Weiss, Reinhold, to Braun Aktiengesellschaft. Base for a blender or the like. 209,652, 12–19–67, Cl. D89—1.
Weiss, Richard V.: *See*—
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Weissman, Harry. Spectacle frame. 206,685, 1–10–67, Cl. D57—1.
Weissman, Harry. Pair of spectacles. 209,016, 10–24–67, Cl. D57—1.
Weitzman, Milton J. Combined duplex electrical device and wall plate or similar article. 208,025, 7–4–67, Cl. D26—13.
Welch Allyn, Inc.: *See*—
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Pulos, Arthur J. 207,372.
Welch, Harry C. Indicator for automotive oil changes. 208,328, 8–15–67, Cl. D52—6.
Welch, Harry C., Sr. Pill tray. 207,684, 5–16–67, Cl. D83—1.
Welch, Warren W. Tie clip. 208,454, 9–5–67, Cl. D2—425.
Wellhofer, Carl, to Lighting Corp. of America. Lighting fixture prism. 209,075, 10–31–67, Cl. D48—14.
Wells, Robert B. Insulated bottle or the like. 209,425, 11–28–67, Cl. D58—8.
Wells, Willis L., to Photronix, Inc. Projector for a film viewer. 209,246, 11–14–67, Cl. D61—1.
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Wendt, Robert H. Portable airplane toy. 207,542, 5–2–67, Cl. D34—15.
Werner, Frank D., and P. S. Petersen, to Rosemount Engineering Co. Snow excluder for a boot top. 208,620, 9–19–67, Cl. D2—314.
Wernham, Spencer C., and J. C. Hendricks, to McGill Metal Products Co. Catcher for a sheet material perforating device. 208,163, 7–25–67, Cl. D54—13.
Wertheimer, Sidney B. Combined lamp base and timer or similar article. 209,415, 11–28–67, Cl. D48—20.
West, William S., to Koehring Co. Boom for loader. 207,839, 6–6–67, Cl. D14—3.
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Weston, Stanley A., and T. Wolf; said Wolf assor. to said Weston. Gameboard. 207,783, 5–30–67, Cl. D34—5.
Wetherell, Joseph J., to Transogram Co., Inc. Combined motorcycle and driver toy. 208,484, 9–5–67, Cl. D34—15.
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White, Winsor D., Jr., to D. H. Baldwin Co. Piano case. 207,428, 4–11–67, Cl. D58—9.
Whitefeather, Stevie S. Fortune telling doll. 207,852, 6–6–67, Cl. D34—4.
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Whitman, Ona L., to Viber Co. Portable motor for concrete vibrators. 207,505, 4–25–67, Cl. D54—14.
Whitman, Shepard H., to Master Bronze Powder Co., Inc. Display rack. 207,565, 5–2–67, Cl. D80—9.
Whittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 208,449, 8–29–67, Cl. D90—20.
Wickett, Byron H., to Don Baxter, Inc. Squeezable coupling for medical liquid administration set. 207,635, 5–16–67, Cl. D16—1.
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Wiener, Edward R., to International Business Machines Corp. Imprinter. 207,073, 2–28–67, Cl. D64—11.
Wiinblad, Bjorn, to Rosenthal Aktiengesellschaft. Vegetable dish. 209,414, 11–28–67, Cl. D44—15.
Wilckens, Wolfgang E., to Heinemann Electric Co. Handle for a circuit breaker or the like. 209,592, 12–19–67, Cl. D26—13.
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Wilkens, Howard J., to Brunswick Corp. Golf bag. 208,985, 10–24–67, Cl. D34—5.
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Wilkinson, Judkins E., to Atlanta Stove Works, Inc. Outdoor cooker. 206,738, 1–17–67, Cl. D81—10.
Wilkinson, Judkins E., to Atlanta Stove Works, Inc. Stove. 208,891, 10–10–67, Cl. D81—19.
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Rogers, Edward A. 208,562.
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Williams, Charlie R. Combination walking aid and invalid supporter. 208,607, 9–12–67, Cl. D83—1.
Williams Furnace Co.: *See*—
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Williams, Herbert F. Gasket removal tool. 207,184, 3–14–67, Cl. D54—13.
Williams, Ruby B. Wall-mounted rack for supporting baseball equipment. 209,682, 12–26–67, Cl. D33—3.
Williams, William D., to Lehn & Fink Products Corp. Combined cap, pouring spout and captive closure for a bottle or the like. 206,971, 2–14–67, Cl. D58—26.
Williams, William L. Potter's wheel. 206,902, 2–7–67, Cl. D55—1.
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Bates, Richard E., and Javor. 207,086.
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Bates, Richard E., and Javor. 207,089.
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Wilson, Norman E., to The Puro Co., Inc. Deodorant holder. 208,023, 7–4–67, Cl. D16—2.
Wilson, Rex C., to Muntz Stereo-Pak, Inc. Control panel for a multi-track tape deck. 208,701, 9–26–67, Cl. 26—14.
Wilson, Robert G. Oven. 206,700, 1–10–67, Cl. D81—10.
Wilson, Robert G. Food display warmer. 206,701, 1–10–67, Cl. 81—10.
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Wilson, Robert G. Display cooker. 208,742, 9–26–67, Cl. D81—10.
Wilson, William W. Ripper tooth. 207,448, 4–18–67, Cl. D39—1.
Wilson, William W. Digger tooth unit. 207,449, 4–18–67, Cl. D39—1.
Wilson, William W. Support adapter for a digger tooth. 207,450, 4–18–67, Cl. D39—1.
Wilson, William W. Digger tooth. 207,451, 4–18–67, Cl. D39—1.
Wince, Vearl S., to Holophane Co., Inc. Incandescent luminaire refractor. 206,609, 1–3–67, Cl. 48—16.
Wince, Vearl S., to Holophane Co., Inc. Luminaire refractor. 207,596, 5–9–67, Cl. D48—16.
Wince, Vearl S., to Holophane Co., Inc. Luminaire lens. 208,938, 10–17–67, Cl. D48—16.
Winkel, Jan, and C. Van der Lely, to C. Van der Lely, N. V. Side delivery rake. 206,604, 1–3–67, Cl. D35—2.
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Winters, Everett R. Eyeglass holder. 207,277, 3–28–67, Cl. D57—1.
Winton, Lavoy. Passenger vehicle for amusement devices. 207,648, 5–16–67, Cl. D34—5.
Winton, William A. Radio. 208,164, 7–25–67, Cl. D56—4.
Wirth, Lilliam B. Surgical pillow. 207,079, 2–28–67, Cl. D83—1.
Wise, Cecil S. Fiber processing cabinet. 206,681, 1–10–67, Cl. D55—1.
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Wittenmyer, Glen L. Tire. 206,742, 1–17–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,150, 3–7–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,151, 3–7–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,153, 3–7–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,154, 3–7–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,155, 3–7–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,156, 3–7–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,157, 3–7–67, Cl. D90—20.
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Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,159, 3–7–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,160, 3–7–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 207,620, 5–9–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 208,129, 7–18–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodyear Co. Tire. 208,130, 7–18–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 208,131, 7–18–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 208,132, 7–18–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 208,133, 7–18–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 208,347, 8–15–67, Cl. D90—20.
Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 208,844, 10–3–67, Cl. D90—20.
Woerner, Joseph F. Automatic animal feeder. 208,020, 7–4–67, Cl. D12—2.
Wolf, Jesse D. Portable combined sound and picture reproducing apparatus. 206,833, 1–31–67, Cl. D61—1.
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Wolske, Lawrence E., to Whirlpool Corp. Corner angle shower stall. 208,967, 10–24–67, Cl. D4—4.
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Womack, Hester W. Table lamp base. 208,422, 8–29–67, Cl. D48—20.
Wood, A. Bernie. Candy box. 208,112, 7–18–67, Cl. D58—12.
Wood, Donald H., D. L. Brodsky, R. N. James, and W. E. Roth, to International Business Machine Corp. 208,308, 8–15–67, Cl. D26—5.
Wood, Donald H., and D. A. Moore, to International Business Machines Corp. Remote control terminal. 208,475, 9–5–67, Cl. D26—13.
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Wood, Walter E. Combined ash tray and cigarette snuffer. 208,344, 8–15–67, Cl. D85—2.
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Wormser, Robert S., to Game-Time, Inc. Circus wagon playground climber. 208,361, 8–22–67, Cl. D34—5.

Wormser, Robert S., to Game-Time, Inc. Chicken-shaped seat for playground apparatus. 209,602, 12–19–67, Cl. D34—15.
Wormser, Robert S., to Game-Time, Inc. Duck-shaped seat for playground apparatus. 209,603, 12–19–67, Cl. D34—15.
Wormser, Robert S., to Game-Time, Inc. Ram-shaped seat for playground apparatus. 209,604, 12–19–67, Cl. D34—15.
Wormser, Robert S., to Game-Time, Inc. Lion-shaped seat for playground apparatus. 209,687, 12–26–67, Cl. D34—15.
Wright, Christopher B. Waste receptacle or similar article. 208,590, 9–12–67, Cl. D58—17.
Wright, Curtis M. Cable vibration damper or similar article. 207,317, 4–4–67, Cl. D26—1.
Wright, Jerry E., to Corning Glass Works. Cooking surface or the like. 209,115, 10–31–67, Cl. D81—25.
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Wymore, Max L. Automobile with rearwardly opening enclosed luggage carrier. 206,653, 1–10–67, Cl. D14—3.
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Yamamoto, Daijiro, to Yehan Numata. Measuring instrument. 207,553, 5–2–67, Cl. D52—6.
Yamanaka, Izumi, to The National Cash Register Co. Cash register or similar article. 207,970, 6–20–67, Cl. D52—4.
Yamazaki, Masaru. Covered cooking pot. 209,000, 10–24–67, Cl. D44—1.
Yano, Hiroshi. Toy gun. 207,016, 2–21–67, Cl. D34—15.
Yavitch, Morris. Toilet paper holder. 209,271, 11–21–67, Cl. D4—3.
Yeagley, Dillon C. Detachable seat for a picnic bench or similar article. 209,281, 11–21–67, Cl. D15—8.
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Yellott, John I. Solar radiation measuring device. 206,614, 1–3–67, Cl. D52—6.
Yellott, John I. Combined base plate and solar cell for a solar radiation measuring device. 208,104, 7–18–67, Cl. D52—6.
Yeske, Laurel R., to J. I. Case Co. Side delivery rake. 208,259, 8–8–67, Cl. D39—1.
Yetman Corp., The: *See*—
Yetman, David S. 207,289.
Yetman, David S., to The Yetman Corp. Motorcycle frame. 207,289, 3–28–67, Cl. D90—8.
Yokich, George A. Fishing lure. 206,808, 1–31–67, Cl. D31—4.
Yokich, George A. Clothes pole support. 208,493, 9–5–67, Cl. D54—1.
Yonkers, Robert A.: *See*—
Anderson, Howard A., and Yonkers. 208,997.
Yoshinaga, Masajiro. Gas lighter. 208,661, 9–19–67, Cl. D48—27.
Yoshinaga Prince Kabushiki Kaisha: *See*—
Yoshinaga, Sadao. 209,165.
Yoshinaga, Sadao, to Yoshinaga Prince Kabushiki Kaisha. Lighter. 209,165, 11–7–67, Cl. D48—27.
Yoshino, Zenzaburo, to Zenza Bronica Kogyo Kabushiki Kaisha. Cigarette lighter. 208,662, 9–19–67, Cl. D48—27.
Yoshino, Zenzaburo, to Zenza Bronica Kogyo Kabushiki Kaisha. Gas cigarette lighter. 209,617, 12–19–67, Cl. D48—27.
Young, John W., to Clarin Mfg. Co. Combined table and seating unit. 207,225, 3–21–67, Cl. D33—14.
Youngblood, Leonard C., to Uniroyal, Inc. Pneumatic tire. 209,376, 11–21–67, Cl. D90—20.
Yurdin, Carl, to Harman-Kardon, Inc. Combined phonograph and radio or similar article. 207,427, 4–11–67, Cl. D56—4.
Yurdin, Carl R., to Branson Instruments, Inc. Ultrasonic test instrument. 207,122, 3–7–67, Cl. D52—6.
Z & T Importing Co., Inc.: *See*—
Araki, Minoru. 208,324.
Zadek, Arthur. Ball toy. 209,303, 11–21–67, Cl. D34—15.
Zadron, Emil, and A. S. Kenmonth, to Jet-Clean Co. Cleaning device for automobile engines and component or the like. 208,903, 10–17–67, Cl. D9—2.
Zandberg, Paul I., and C. F. Taylor. Volume measuring syringe for dental impression material. 207,533, 5–2–67, Cl. D24—1.
Zandberg, Paul I., and C. F. Taylor. Tooth brush. 209,574, 12–19–67, Cl. D9—2.
Zanuso, Marco, and R. Sapper, to Societé Italiana Telecomunicazioni Siemens S.p.A. Telephone set. 207,490, 4–25–67, Cl. D26—14.
Zanuso, Marco, and R. Sapper, to Societé Italiana Telecomunicazioni Siemens S.p.A. Telephone set. 207,491, 4–25–67, Cl. D26—14.
Zavitsanos, Sokratis I. Tuxedo coat. 209,565, 12–19–67, Cl. D2—187.
Zbikowski, Ted, and J. L. Marchello, to Joseph Buegeleisen Co. Motorcycle windshield. 206,644, 1–3–67, Cl. D90—1.
Zeilstra, Carol R.: *See*—
Zeilstra, Charles T. and C. R. 207,578.
Zeilstra, Charles T. and C. R. Hand cart. 207,578, 5–9–67, Cl. D14—3.
Zeller, Herbert J., to Motorola, Inc. Beer keg cooler. 208,959, 10–17–67, Cl. D67—3.
Zeller, John E. Portable rack for holding multiple rolls of sheet material. 208,207, 8–1–67, Cl. D52—2.
Zenith Radio Corp.: *See*—
Boldt, Melvin H. 207,536.
Boldt, Melvin H. 208,165.
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Yoshino, Zenzaburo. 208,662.
Yoshino, Zenzaburo. 209,617.
Zero Mfg. Co.: *See*—
La Barge, Louis P. 208,476.
Zern, Warren B., and C. H. Bode; said Bode assor. to said Zern. Slide fastener actuator. 207,628, 5–16–67, Cl. D2—415.
Zick, Ronald W., to Jamison, Inc. Rider seat for playground apparatus. 209,298, 11–21–67, Cl. D34—5.
Ziegelman, Norman H.: *See*—
Ziegelman, Robert L. and N. H. 206,840.
Ziegelman, Robert L. and N. H. Teller's counter. 206,840, 1–31–67, D80—2.
Zierhut, Clarence D., and J. H. Wasson, to Paper Mate Mfg. Co. Ball point pen. 206,636, 1–3–67, Cl. D74—17.
Zilaff, Francis W.: *See*—
Lallone, Ronald L. 206,788.
Zimmerman, Jay V. Tiered planter. 207,915, 6–13–67, Cl. D35—3.
Zimmon, Harold. Disposable protective shoe cover. 209,036, 10–31–67, Cl. D2—271.
Zip-Up Lighting Tower Co., Inc.: *See*—
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Ziskin, Manuel S.: *See*—
Wagner, Harold O., and Ziskin. 207,109.
Wagner, Harold O., and Ziskin. 207,110.
Wagner, Harold O., and Ziskin. 207,657.
Wagner, Harold O., and Ziskin. 207,658.
Wagner, Harold O., and Ziskin. 208,665.
Zoehfeld, Gunther, to Rotron Mfg. Co., Inc. Air pump. 208,594, 9–12–67, Cl. D65—1.
Zoeller, Richard J., R. L. Walker, and R. A. Fleck, to Aluminum Co. of America. Broiler tray. 209,605, 12–19–67, Cl. D44—1.
Zoeller, Richard J., F. S .Lazure, and R. L. Walker, to Aluminum Co. of America. Portion package of food or beverage. 209,712. 12–26–67, Cl. D58—2.
Zuk, Henry G. Combined bed and drawer unit. 207,391, 4–11–67, Cl. D5—4.
Zuk, Henry G. Foot-board for a bed. 207,392, 4–11–67, Cl. D5—4.

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Lammerts, Walter E. 2,722.
Lammerts, Walter E. 2,751.
Lammerts, Walter E. 2,755.
Lammerts, Walter E. 2,766.

Armstrong, David L., to Armstrong Nurseries, Inc. Rose plant. 2,704, 1–24–67, Cl. 22.

Armstrong, David L., to Armstrong Nurseries, Inc. Rose plant. 2,705, 1–24–67, Cl. 20.

Armstrong, David L., to Armstrong Nurseries, Inc. Rose plant. 2,707, 2–7–67, Cl. 25.

Armstrong, David L., to Armstrong Nurseries, Inc. Nectarine tree. 2,758, 8–8–67, Cl. 41.

Armstrong Nurseries, Inc.: *See*—
Armstrong, David L. 2,704.
Armstrong, David L. 2,705.
Armstrong, David L. 2,707.
Armstrong, David L. 2,758.

Bergeron, Roland, to Gulf Stream Products, Inc. Mock orange (philadelphus) plant. 2,703, 1–24–67, Cl. 54.

Bird, James D.: *See*—
Montgomery, Johnson C., and Bird. 2,738.

Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,701, 1–24–67, Cl. 4.

Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,729, 3–21–67, Cl. 15.

Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,735, 5–2–67, Cl. 82.

Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,739, 5–16–67, Cl. 79.

Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,740, 5–16–67, Cl. 81.

Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,741, 5–16–67, Cl. 81.

Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,763, 8–29–67, Cl. 26.

Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,774, 10–24–67, Cl. 11.

Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,779, 11–28–67, Cl. 11.

Bourne, Benjamin A.: *See*—
Weetman, Leslie M., and Bourne. 2,715.

Brauns, Edward B. Apple tree. 2,750, 7–11–67, Cl. 34.

Byrum, Roy L., to Joseph H. Hill, Co. Rose plant. 2,728, 3–21–67, Cl. 22.

Carlton Rose Nurseries, Inc.: *See*—
Schneeberg, Paul. 2,708.

Cole, David B., to The Cole Nursery Co. Littleleaf linden. 2,712, 2–14–67, Cl. 51.

Cole Nursery Co., The: *See*—
Cole, David B. 2,712.

Conard-Pyle Co., The: *See*—
Jelly, Robert G. 2,746.
Meilland, Marie L. 2,764.
Meilland, Marie L. 2,765.

Darrow, Nance M. and R. J. Mandarin orange plant. 2,714, 2–14–67, Cl. 45.

Darrow, Robin J.: *See*—
Darrow, Nance M. and R. J. 2,714.

Dickson, Patrick, to Jackson & Perkins Co. Rose plant, 2,769, 9–19–67, Cl. 11.

Dunham, Orville O.: *See*—
Miller, Edward H. 2,699.

Ecke, Paul. Poinsettia plant. 2,768, 9–19–67, Cl. 86.

Ecke, Paul. Poinsettia plant. 2,778, 11–14–67, Cl. 86.

Fitzgerald, Elizabeth B. Cattleya orchid plant. 2,777, 11–14–67, Cl. 68.

Flemer, William, Jr., to Treesearch. Ginkgo tree. 2,726, 3–7–67, Cl. 51.

Garabedian, John M., to Peach & Willow Farms. Plum tree. 2,747, 6–13–67, Cl. 38.

Garabedian, John M., to Peach & Willow Farms. Plum tree. 2,783, 12–19–67, Cl. 38.

Gast, Ross H., to Monrovia Nursery Co. Hibiscus plant. 2,760, 8–22–67, Cl. 54.

Gast, Ross H., to Monrovia Nursery Co. Hibiscus plant. 2,761, 8–22–67, Cl. 54.

Gast, Ross H., to Monrovia Nursery Co. Hibiscus plant. 2,762, 8–22–67, Cl. 54.

Gavello, Louis E. Hebe (Veronica) plant. 2,720, 2–21–67, Cl. 54.

Gavello, Louis E. Veronica plant. 2,772, 10–17–67, Cl. 54.

General Bionomics, Inc.: *See*—
Lammerts, Walter E. 2,744.

Great Western Rose Co., Inc.: *See*—
Howard, Arthur P. 2,730.

Gulf Stream Products, Inc.: *See*—
Bergeron, Roland. 2,703.

Hemet Wholesale: *See*—
Lindquist, Robert V. 2,725.

Hervin Farms, Inc.: *See*—
Vinyard, Charles L. 2,713.

Hill, Joseph H., Co.: *See*—
Byrum, Roy L. 2,728.

Howard, Arthur P., to Great Western Rose Co., Inc. Rose plant. 2,730, 4–4–67, Cl. 18.

Hudson, Earl D., to Monrovia Nursery Co. Azalea plant. 2,753, 7–18–67, Cl. 56.

Hudson, Earl D., to Monrovia Nursery Co. Azalea plant. 2,754, 7–18–67, Cl. 56.

Jackson & Perkins Co.: *See*—
Boerner, Eugene S. 2,701.
Boerner, Eugene S. 2,729.
Boerner, Eugene S. 2,735.
Boerner, Eugene S. 2,739.
Boerner, Eugene S. 2,740.
Boerner, Eugene S. 2,741.
Boerner, Eugene S. 2,763.
Boerner, Eugene S. 2,774.
Boerner, Eugene S. 2,779.
Dickson, Patrick. 2,769.
Kordes, Reimer. 2,700.
Kordes, Reimer. 2,734.
Morey, Dennison H., Jr. 2,736.
Morey, Dennison H., Jr. 2,737.
Zombory, William and S. B. 2,780.

Jelly, Robert G., to The Conard-Pyle Co. Rose plant. 2,746, 6–13–67, Cl. 11.

Kamada, Benjamin Y. Pomegranate tree. 2,723, 3–7–67, Cl. 33.

Kern County Land Co.: *See*—
Mugg, Leland O. 2,771.

Kerrigan, Howard. Azalea plant. 2,770, 10–3–67, Cl. 55.

Kim Bros.: *See*—
Maeda, Samuel Y. 2,767.

Kordes, Reimer, to Jackson & Perkins Co. Rose plant. 2,700, 1–24–67, Cl. 28.

Kordes, Reimer, to Jackson & Perkins Co. Rose plant. 2,734, 5–2–67, Cl. 20.

Krause, Walter D. Nectarine tree. 2,775, 11–7–67, Cl. 41.

Lambert, Andrew B. Pieris. 2,711, 2–7–67, Cl. 54.

Lammerts, Walter E., to Amling-Devor Nurseries, Inc. Rose plant. 2,722, 2–28–67, Cl. 26.

Lammerts, Walter E., to General Bionomics, Inc. Lilac plant. 2,744, 5–30–67, Cl. 66.

Lammerts, Walter E., to Amling-Devor Nurseries, Inc. Rose plant. 2,751, 7–11–67, Cl. 20.

Lammerts, Walter E., to Amling-De Vor Nurseries, Inc. Rose plant. 2,755, 7–18–67, Cl. 18.

Lammerts, Walter E., to Amling-Devor Nurseries, Inc. Rose plant. 2,766, 9–12–67, Cl. 22.

Lee, Walter S., to Monrovia Nursery Co. Juniper plant. 2,752, 7–18–67, Cl. 50.

Lee, Walter S., to Monrovia Nursey Co. Juniper plant. 2,773, 10–17–67, Cl. 50.

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Lewis, Hubert B. Azalea plant. 2,781, 12–5–67, Cl. 56.

Lewis, Hubert B. and H. H. Azalea plant. 2,782, 12–5–67, Cl. 57.

Lindquist, Robert V., to Hemet Wholesale. Rose plant. 2,725, 3–7–67, Cl. 22.

Link, John F., Jr. Azalea. 2,733, 4–25–67, Cl. 57.

Lowry, David B. Nectarine tree. 2,776. 11–14–67, Cl. 41.

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McDade, Everest. Orchid plant. 2,716, 2–21–67, Cl. 68.

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McGredy, Samuel. Rose plant. 2,721, 2–28–67, Cl. 27.
McGredy, Samuel. Rose plant. 2,745, 5–30–67, Cl. 12.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant. 2,764, 9–5–67, Cl. 9.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant. 2,765, 9–5–67, Cl. 18.
Mikkelsen, James C. Poinsettia plant. 2,731, 4–4–67, Cl. 86.
Mikkelsen, James C. Poinsettia plant. 2,732, 4–4–67, Cl. 86.
Milfeld, Raymond M., to Milfeld's Nursery. Azalea plant. 2,757, 8–8–67, Cl. 55.
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Gast, Ross H. 2,761.
Gast, Ross H. 2,762.
Hudson, Earl D. 2,753.
Hudson, Earl D. 2,754.
Lee, Walter S. 2,752.
Lee, Walter S. 2,773.
Montgomery, Johnson C., and J. D. Bird. Artichoke plant. 2,738, 5–9–67, Cl. 89.
Moore, Ralph S. Rose plant. 2,717, 2–21–67, Cl. 6.
Moore, Ralph S. Rose plant. 2,718, 2–21–67, Cl. 9.
Moore, Ralph S. Rose plant. 2,719, 2–21–67, Cl. 5.
Morey, Dennison H., Jr., to Jackson & Perkins Co. Rose plant. 2,736, 5–2–67, Cl. 20.
Morey, Dennison H., Jr., to Jackson & Perkins Co. Rose plant. 2,737, 5–2–67, Cl. 20.
Mugg, Leland O., to Kern County Land Co. Almond. 2,771, 10–17–67, Cl. 30.
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Nelson, George W. Plum tree. 2,748, 6–13–67, Cl. 38.
Palmer, Harry E. Bicolored hybrid tea rose. P.P. 2,706, 1–31–67, Cl. 11.
Patterson, John W. New and distinct variety of rose. 2,749, 6–27–67, Cl. 26.
Peach & Willow Farms: *See*—
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Garabedian, John M. 2,783.
Rare Plants, Inc.: *See*—
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Schmidt, John F., Jr.: *See*—
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Steindorf, Herbert W. Apricot or prunus armeniaca. 2,742, 5–16–67, Cl. 39.
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Swim, Herbert C., and O. L. Weeks, to Swim and Weeks. Rose plant. 2,724, 3–7–67, Cl. 26.
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LIST OF DISCLAIMERS AND DEDICATIONS

Anderson, Gerald R., Campbell, and Sherman H. Creed, San Jose, Calif. Disclaimer filed Dec. 27, 1966, by the assignee, FMC Corporation. No. 3,199,558; v. 836; p. 1111.

Asplundh, Lester, Bryn Athyn, Pa. Disclaimer filed July 28, 1967, by the assignee, Asplundh Tree Expert Co. No. 3,108,-656; v. 843; p. 1566.

Atwood, Rawson, Rumson, and Charles C. L'Allemand, Murray Hill, N.J. Disclaimer filed Mar. 14, 1967, by the assignee, Dyson-Kissner Corporation. No. 3,107,067; v. 839; p. 409.

Atwood, Rawson, Rumson, and Charles C. L'Allemand, Murray Hill, N.J. Disclaimer filed Mar. 14, 1967, by the assignee, Dyson-Kissner Corporation. No. 3,132,817; v. 839; p. 409.

Averill, Eugene F., Waterloo, and Harold E. Straub, Cedar Falls, Iowa. Disclaimer filed Mar. 30, 1967, by the assignee, Titus Manufacturing Corporation. No. 3,242,847; v. 839; p. 410.

Barrett, Francis E., Riverside, Calif. Disclaimer filed Dec. 23, 1966, by the assignee, The Flintkote Company. No. 2,813,-751; v. 837; p. 341.

Beebee, Brian Harry, Walsall, England. Disclaimer filed Apr. 17, 1967, by the assignee, The Dunlop Company Limited. No. 3,212,627; v. 839; p. 410.

Bell, John F., Wilmette, Ill. Disclaimer filed Oct. 19, 1966, by the assignee, Zenith Radio Corporation; the inventor assenting. No. 3,196,523; v. 834; p. 829.

Bickford, Warren H., Norwich, Conn. Dedication filed July 12, 1967, by the assignee, Sinclair-Koppers Company. No. 3,082,483; v. 845; p. 2.

Boothe, Willis A., Scotia, N.Y. Disclaimer filed Mar. 13, 1967, by the assignee, General Electric Company. No. 3,260,456; v. 839; p. 1263.

Bowers, Albert, John Edwards, and James C. Orr, Mexico City, Mexico. Disclaimer filed May 11, 1967, by the inventors; the assignee, Syntex Corporation, assenting. No. 3,-144,447; v. 841; p. 1412.

Bowers, Albert, and John Edwards, Mexico City, Mexico. Disclaimer filed May 11, 1967, by the inventors; the assignee, Syntex Corporation, assenting. No. 3,144,449; v. 841; p. 1412.

Broughton, Donald B., Evanston, and Charles S. Brearley, Lake Forest, Ill. Disclaimer filed Apr. 3, 1967, by the assignee, Universal Oil Products Company. No. 3,310,486; v. 838; p. 810.

Brueggemann, Harry P., San Marino, Calif. Disclaimer filed June 2, 1967, by the assignee, The Marquardt Corporation. No. 3,306,977; v. 841; p. 1412.

Calhoun, Frederick L., Torrance, Donald D. Williams, Inglewood, and James H. Wyman, Pasadena, Calif. Disclaimer filed Dec. 2, 1966, by the assignee, Geo. J. Meyer Manufacturing Co. No. 3,133,640; v. 836; p. 1111.

Campbell, Robert H., Brookhaven, and William L. Huntington, King of Prussia, Pa. Disclaimer filed July 13, 1967, by the inventors; the assignee, Sun Oil Company, assenting. No. 3,331,677; v. 841; p. 1033.

Campbell, Samuel J., Green Bay, Wis. Disclaimer filed July 28, 1967, by the assignee, FMC Corporation. No. 2,882,662; v. 843; p. 1.

Chadurjian, Frank, Peekskill, N.Y. Disclaimer filed Oct. 13, 1966, by the assignee, International Business Machines Corporation. No. 2,973,508; v. 836; p. 403.

Chidsey, Francis A., Jr., Wayne, and John V. Mahon, Norristown, Pa. Disclaimer filed Nov. 25, 1966, by the assignee, Container Corporation of America. No. 3,081,928; v. 834; p. 1.

Christenson, Roger M., Gibsonia, Samuel Porter, Jr., Tarentum, and Andrew Halcoussis, Pittsburgh, Pa. Disclaimer filed Sept. 29, 1967, by the assignee, Pittsburgh Plate Glass Company. No. 3,290,416; v. 845; p. 2.

Christianson, George, Waterloo, Iowa. Disclaimer filed Oct. 19, 1966, by the assignee, The Rath Packing Company. No. 3,058,830; v. 835; p. 1.

Clinton, Otto M., Los Angeles, Calif. Dedication filed May 22, 1967, by the assignee, General Mills, Inc. No. 2,803,175; v. 841; p. 1412.

Clinton, Otto M., Glendale, Calif. Dedication filed May 26, 1967, by the assignee, General Mills, Inc. No. 2,941,341; v. 841; p. 1412.

Clinton, Otto M., Glendale, Calif. Dedication filed May 26, 1967, by the assignee, General Mills, Inc. No. 2,941,650; v. 841; p. 1412.

Connell, Leo F., Wynnewood, Harold F. Elkin, Bala Cynwyd, and William E. Soden, Swarthmore, Pa. Disclaimer filed Aug. 7, 1967, by the assignee, Sun Oil Company. No. 2,899,-385; v. 843; p. 1565.

Crabtree, Kenneth L., Fairfield, Maine. Disclaimer filed Jan. 19, 1967, by the assignee, Keys Fibre Company. No. 3,243,-096; v. 838; p. 2.

Crandall, Loid, Alhambra, Calif. Disclaimer filed Dec. 14, 1966, by the assignees, Specmade Products, Inc., and Mary W. Starr. No. 2,990,736; v. 835; p. 1.

Crowe, Talmadge L., Zulia, Venezuela. Disclaimer filed Mar. 24, 1967, by the assignee, Baker Oil Tools, Inc. No. 3,100,-537; v. 839; p. 409.

Curry, William E., Playa Del Rey, Calif. Disclaimer filed June 13, 1967, by the assignee, Design Line, Inc. Des. No. 204,900; v. 840; p. 1025.

Deghenghi, Romano, St. Laurent, Quebec, Canada. Disclaimer filed June 7, 1967, by the inventor; the assignee, American Home Products Corporation, assenting. No. 3,210,387; v. 841; p. 1412.

Dickinson, Clayton D., Port Washington, and Sam Friedman, Great Neck, N.Y. Disclaimer filed May 8, 1967, by the assignee, General Telephone & Electronics Laboratories Incorporated. No. 3,243,291; v. 841; p. 1412.

Dodge, Robert J., Houston, Tex. Disclaimer filed Aug. 2, 1967, by the assignee, Automatic Power, Inc. No. 3,214,753; v. 843; p. 1566.

Doyle, Arnold W., Watertown, Robert R. Perron, Beverly, and John R. Swanton, Jr., Newton, Mass. Dedication filed Sept. 22, 1967, by the assignee, American Petroleum Institute. No. 3,155,141; v. 845; p. 2.

Draper, John D., Milwaukee, Wis. Disclaimer filed Apr. 11, 1967, by the assignee, Westinghouse Air Brake Company. No. 3,190,629; v. 838; p. 809.

Dwyer, James J., deceased, by Marion Dwyer, executrix, Clark, N.J. Dedication filed Jan. 11, 1967, by the assignee, Elastic Stop Nut Corporation of America. No. 3,277,942; v. 838; p. 2.

Edwards, Walter Murray, Wilmington, Del. Disclaimer filed Feb. 20, 1967, by the assignee, E. I. du Pont de Nemours and Company. No. 3,179,634; v. 838; p. 809.

Elfving, Thore M., and Sven Thomas Elfving, San Mateo, Calif. Disclaimer filed Sept. 29, 1967, by the assignee, Thore M. Elfving. No. 3,196,620; v. 845; p. 1205.

Esswein, Edward J., Jr., Pittsburgh, Pa. Disclaimer filed Aug. 7, 1967, by the assignee, Mobil Oil Corporation. No. 3,119,-712; v. 843; p. 1566.

Etnyre, Samuel R., Oregon, Ill. Dedication filed Sept. 13, 1966, by the assignee, E. D. Etnyre & Co. No. 3,239,148; v. 834; p. 829.

Frayer, Theodore, North Canton, Ohio. Disclaimer filed May 11, 1967, by the inventor; the assignee, The Goodyear Tire & Rubber Company, assenting. No. 3,170,542; v. 841; p. 1412.

Freedman, Robert P., Waterford, Peter J. Barnikel, Quaker Hill, and James H. Torrance, Uncasville, Conn. Disclaimer filed May 5, 1967, by the assignee, General Dynamics Corporation. No. 3,197,986; v. 841; p. 1412.

Gerber, Kenneth George, London, England. Disclaimer filed Jan. 5, 1967, by the inventor; the assignee, The Metal Box Company Limited, assenting. No. 3,151,358; v. 837; p. 667.

Gersten, Gerald B., Brooklyn, N.Y. Disclaimer filed Oct. 24, 1966, by the inventor. No. 2,974,836; v. 835; p. 1.

Golbeck, Bernard J., Crystal Lake, and Raymond F. Lewandowski and Wilhelm A. Streuer, Mount Prospect, Ill. Disclaimer filed Mar. 16, 1967, by the assignee, Oak Electro/Netics Corp. No. 3,261,931; v. 839; p. 410.

Gregg, David Paul, Los Angeles, Calif. Disclaimer filed Mar. 21, 1967, by the assignee, Winston Research Corporation. No. 3,112,360; v. 838; p. 809.

Harlan, George E., Phoenix, Ariz. Disclaimer filed Apr. 6, 1967, by the assignee, Powdered Metals Corporation. No. 3,282,682; v. 840; p. 711.

Harwood, Norman Frederick, Claygate, and Alan John Osborne, Cheam, England. Disclaimer filed July 12, 1967, by the assignee, Baker Perkins, Inc. No. 3,229,558; v. 843; p. 1188.

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Huffman, Mervin C., Denver, Colo. Disclaimer filed Jan. 20, 1967, by the inventor; the assignee, Gardner-Denver Company, assenting. No. 3,082,741; v. 838; p. 809.

Juilfs, Albert G., Newton, Ohio. Disclaimer filed Jan. 11, 1967, by the assignee, Senco Products, Inc. No. 2,940,081; v. 838; p. 809.

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Kawaguchi, Hiroshi, Masanori Okanishi, and Takeo Miyaki, Tokyo, Japan. Disclaimer filed Oct. 24, 1966, by the assignee, Bristol-Banyu Research Institute, Ltd. No. 3,201,386; v. 834; p. 1221.

Kelly, Joseph L., Jr., Dallas, Tex. Disclaimer filed Feb. 10, 1967, by the assignee, Hughes Tool Company. No. 3,269,470; v. 836; p. 773.

Kirchner, Francois F., Ridgefield, Conn. Disclaimer filed Nov. 16, 1966, by the assignee, Varian Associates. No. 3,023,358; v. 835; p. 395.

Kirchner, Francois F., and Leroy S. Jimerson, Jr., Ridgefield, Conn. Disclaimer filed Nov. 16, 1966, by the assignee, Varian Associates. No. 2,996,658; v. 835; p. 395.

Klemm, Herman G., Largo, Fla., and Donald S. Horne, Robert Ashton, and Leslie L. Kepkay, Toronto, Ontario, Canada. Disclaimer filed Dec. 20, 1966, by the assignee, Massey-Ferguson Limited. No. 3,152,702; v. 836; p. 1111.

Knoll, Florence S., New York, N.Y. Disclaimer filed Apr. 14, 1967, by the assignee, Knoll Associates, Inc. Des. No. 188,900; v. 839; p. 409.

Krafft, William R., Los Angeles, Calif. Disclaimer filed Mar. 3, 1967, by the assignee, Hughes Aircraft Company. No. 3,257,587; v. 839; p. 410.

Lapeyre, Fernand S., and James M. Lapeyre III, New Orleans, and Emile M. Lapeyre, Houma, La. Dedication filed Aug. 30, 1967, by the assignee, The Laitram Corporation. No. 2,778,055; v. 843; p. 1.

Lattanzi, Ernest W., Melrose, Mass. Disclaimer filed July 3, 1967, by the assignee, Sage Laboratories, Inc. No. 3,229,234; v. 842; p. 1217.

Linstedt, William F., Plymouth, Wis. Dedication filed May 22, 1967, by the assignee, General Mills, Inc. No. 2,803,174; v. 841; p. 1412.

Mack, Gerry P., Jackson Heights, and Emery Parker, New York, N.Y. Disclaimer filed Apr. 28, 1967, by the assignee, Carlisle Chemical Works, Inc. No. 2,739,905; v. 840; p. 711.

Macker, John A., Temple City, and Richard C. Simonsen, Pasadena, Calif. Disclaimer filed Apr. 26, 1967, by the inventors and the assignee, Burroughs Corporation. No. 3,229,073; v. 840; p. 711.

McConnell, William Mynard, Pittsburgh, Pa. Disclaimer filed Aug. 29, 1967, by the assignee, Taylor-Wilson Manufacturing Company. No. 3,131,588; v. 843; p. 748.

Meeker, Phillip Dowe, Cincinnati, Ohio. Dedication filed Feb. 9, 1967, by the assignee, The Procter & Gamble Company. Des. No. 206,036; v. 838; p. 809.

Meeker, Phillip Dowe, Cincinnati, Ohio. Dedication filed Feb. 9, 1967, by the assignee, The Procter & Gamble Company. Des. No. 206,140; v. 838; p. 809.

Meese, Clarence E., and Ronald R. Meese, New Philadelphia, Ohio. Disclaimer filed Aug. 3, 1967, by the assignee, Eaton Yale & Towne Inc. No. 3,008,206; v. 842; p. 1.

Melman, George J., and Louis S. Epstein, Wilmington, Del. Disclaimer filed June 26, 1967, by the assignee, Zimmon & Company, No. 2,958,012; v. 841; p. 1412.

Merriman, Wayne R., Midland, Mich. Dedication filed Nov. 15, 1966, by the assignee, The Dow Chemical Company. No. 3,235,324; v. 835; p. 395.

Metcalf, Richard J., Haverton, Pa. Disclaimer and dedication filed May 18, 1967, by the assignee, Gulf Oil Corporation. No. 2,785,120; v. 841; p. 1411.

Metrailer, William Joseph, Baton Rouge, and Wayne Hoover, East Baton Rouge, La. Disclaimer filed Mar. 24, 1967, by the assignee, Esso Research and Engineering Company. No. 3,260,664; v. 839; p. 410.

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Morse, John F., Hudson, Ohio. Disclaimer filed Feb. 13, 1967, by the inventor. No. 3,165,941; v. 838; p. 809.

Morse, Park L., Moraga, Calif. Disclaimer and Dedication filed Nov. 21, 1966, by the assignee, American Gilsonite Company. Re. 25,757; v. 835; p. 395.

Nakaguchi, Kohei, Masaaki Hirooka, and Toshimichi Fujita, Niihama-shi, Japan. Disclaimer filed May 2, 1967, by the assignee, Sumitomo Chemical Company, Limited. No. 3,328,366; v. 843; p. 1566.

Nelson, Herbert, Princeton, N.J. Disclaimer filed May 12, 1967, by the assignee, Radio Corporation of America. No. 2,985,805; v. 841; p. 1412.

Okenfuss, Richard Henry, Cincinnati, Ohio. Dedication filed May 23, 1967, by the assignee, The Procter & Gamble Company. No. 3,178,370; v. 841; p. 1412.

O'Neil, William Marshall, Oak Park, Ill. Disclaimer filed Dec. 12, 1966, by the assignee, Teletype Corporation. No. 3,259,812; v. 836; p. 1111.

Osborne, George T., St. Paul, Minn. Dedication filed Oct. 10, 1966, by the assignee, Sperry Rand Corporation. Re. 26,082; v. 834; p. 1221.

Overment, Alfred P., Chicago, Ill. Dedication filed Sept. 19, 1967, by the inventor. No. 3,108,595; v. 843; p. 748.

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Page, John A., Minneapolis, Minn. Dedication filed May 22, 1967, by the assignee, General Mills, Inc. No. 3,225,717; v. 841; p. 1412.

Perron, Robert R., Beverly, Mass. Dedication filed Sept. 22, 1967, by the assignee, American Petroleum Institute. No. 3,214,101; v. 845; p. 3.

Pesch, Anthony W., Daphne, Ala. Disclaimer filed Feb. 14, 1967, by the assignee, International Paper Company. No. 3,085,927; v. 838; p. 809.

Plank, Charles J., Woodbury, and Edward J. Rosinski, Deptford, N. J. Disclaimer filed July 27, 1967, by the assignee, Mobil Oil Corporation. No. 3,271,418; v. 843; p. 1566.

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Pritchard, Dalton H., Princeton, N.J. Disclaimer filed Nov. 1, 1966, by the assignee, Radio Corporation of America. No. 2,830,112; v. 837; p. 667.

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Reba, Imants, Chicago, Ill., and Paul W. Cooper, Albuquerque, N. Mex. Dedication filed Sept. 22, 1967, by the assignee, American Petroleum Institute. No. 3,319,692; v. 845; p. 3.

Reisner, Sam, Santa Monica, Calif. Disclaimer filed July 5, 1967, by the assignee, Osco Corporation. No. 3,116,665; v. 843; p. 1566.

Reithel, Raymond F., Rochester, N.Y. Disclaimer filed Feb. 10, 1967, by the assignee, Eastman Kodak Company. No. 3,053,179; v. 838; p. 809.

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Rubin, Richard, Natick, Mass. Disclaimer filed Oct. 27, 1966, by the assignee, Andrew Alford. No. 3,001,053; v. 834; p. 1221.

Russell, David A., Springfield, and Edgar E. Hardy, Longmeadow, Mass. Disclaimer filed Sept. 20, 1967, by the assignee, Monsanto Company. No. 3,262,625; v. 845; p. 2.

Rustad, Stanley C., St. Louis Park, Minn. Dedication filed May 22, 1967, by the assignee, General Mills, Inc. No. 3,037,467; v. 841; p. 1412.

St. Thomas, William H., Gloversville, N.Y. Disclaimer filed Aug. 23, 1967, by the inventor and the assignee, St. Thomas Inc. No. 3,295,645; v. 843; p. 1566.

Scalera, Frank T., Maplewood, N.J. Disclaimer filed Oct. 2, 1967, by the inventor; the assignee, General Electric Company, Inc., assenting. No. 3,189,352; v. 843; p. 1188.

Scholl, Walter, Cologne-Mulheim, and Gerhard Dittmar, Leverkusen, Germany. Disclaimer and dedication filed Aug. 30, 1967, by the assignee, Farbenfabriken Bayer Aktiengesellschaft. No. 3,314,932; v. 843; p. 1.

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Schultz, Moses Richard, Barto, Pa. Disclaimer filed Apr. 14, 1967, by the assignee, Knoll Associates, Inc. Des. No. 203,198; v. 840; p. 711.

Seyfried, Arthur W., Racine, Wis. Disclaimer filed Dec. 28, 1966, by the assignee, Scovill Manufacturing Company. Re. 24,607; v. 836; p. 1111.

Shattuck, Robert, Parkersburg, W. Va. Disclaimer filed Nov. 17, 1966, by the assignee, Borg-Warner Corporation. No. 3,163,888; v. 835; p. 396.

Shelton, George D., Riverside, Calif. Disclaimer filed Dec. 23, 1966, by the assignee, The Flintkote Company. Des. No. 187,504; v. 837; p. 341.

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Smith, Kenneth L., Southampton, England. Disclaimer filed Dec. 30, 1966, by the inventor; the assignee, International Computers and Tabulators Limited, assenting. No. 3,076,599; v. 835; p. 1.

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Smith, Robert K., Springfield Township, and Charlotte S. Popoff, Ambler, Pa. Disclaimer filed Apr. 10, 1967, by the assignee, E. F. Houghton and Company. No. 3,041,280; v. 838; p. 1223.

Sparrow, Hubert T., Edina, Minn. Disclaimer filed May 23, 1967, by the assignee, Honeywell Inc. No. 3,176,703; v. 843; p. 1.

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Stillwell, Robert E., Santa Clara, and James K. Campbell, San Jose, Calif. Disclaimer filed July 12, 1967, by the assignee, FMC Corporation. No. 2,892,466; v. 843; p. 1565.

Tate, Malcolm C., Stamford, Conn. Disclaimer filed Oct. 4, 1967, by the assignee, The A. H. Emery Company. No. 2,960,328; v. 843; p. 1565.

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Vickery, Edgar Herbert, Oakland, Calif. Disclaimer filed Oct. 3, 1967, by the assignee, Fisher Governor Company. No. 3,082,992; v. 843; p. 1566.

Willmore, Charles B., North Aurora, Ill. Disclaimer filed June 1, 1967, by the assignee, Acme Precision Products, Inc. No. 2,564,044; v. 841; p. 1412.

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Walles, Wilhelm, William F. Tousignant and Thomas Houtman, Jr., In re. 836 O.G. 15.
Wesseler, William O., In re. 844 O.G. 1168.
White, Herbert C., and Don V. Wysong, In re. 843 O.G. 1200.
Wiechert, Rudolf, In re. 845 O.G. 403.
Wilson, James H., In re. 836 O.G. 414.
Winslow, Fred P., In re. 837 O.G. 344.
Ziegler, Karl, Heinz Breil, Erhard Holzkamp and Heinze Martin, In re. 834 O.G. 434.
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